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MICHIGAN AGRICULTURAL STATISTICS

1983

MICHIGAN DEPARTMENT OF AGRICULTURE

AGRICULTURE COMMISSION

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P. O. Box 30017, Lansing, Michigan 48909

DEAN PRIDGEON, Director

July, 1983

Dear Friend:

The year 1982 could be looked upon by Michigan farmers as Charles Dickens wrote in "The Tale of Two Cities; "It was the best of times, it was the worst of times." State and National crop production was prolific with both record corn and soybean crops. Unusually favorable weather conditions also provided abundant harvests of fruit and vegetables, while livestock marketings increased. However, low prices received by farmers were the rule rather than the exception while farm production expenditures continued their upward spiral. This resulted in the lowest net farm income in 14 years.

In order to provide a measure of relief, the United States Department of Agriculture Payment in Kind (PIK) program was initiated nationally, early in 1983, to provide individual farmers with at least temporary relief from this economic squeeze. Michigan farmers signed up for this program in large numbers, directing about 1.3 million acres or 18% of total cropland acreage into conservation uses in the 1983 crop year. This program offers both hope and temporary assistance to farmers awaiting stronger markets and an improvement in farm income for the coming years.

During these trying times, as attempts are being made to balance supply and demand for surplus commodities, the importance of a reliable and timely agricultural data base is more apparent than usual. The Federal-State Michigan Agricultural Reporting Service (MARS) serves a vital role in documenting many of the current economic conditions of our State's agricultural industry.

The purpose of this publication is to assist farmers, agri-business, and others to make the best production and marketing decisions possible. I commend the voluntary efforts of so many producers and businesses which make this report possible.

Sincerely,

Dean Pridgeon

Dean Pridgeon, Director

MICHIGAN

AGRICULTURAL STATISTICS

1983

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COVER: Corn is Michigan's leading cash grain crop in acreage, production and income. Excellent growing conditions throughout 1982 resulted in record yields and production. Michigan is the eighth largest corn producing State in the Nation. Photograph provided courtesy of National Corn Growers Association, Michigan Corn Growers Association, Ray Schwab, President and Pioneer Hi-Bred International, Inc. Curt Maas, Photographer.

MARS-83-01

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Michigan
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P.O. Box 20008, Lansing, Michigan 48901
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Dear Friend:

It's once more our pleasure to bring you the latest issue of Michigan Agricultural Statistics. This 1983 issue contains all the pertinent 1978-1982 Michigan and United States crop, livestock and other related agricultural statistics. County estimates for major Michigan crop and livestock series are also included.

With usually favorable weather conditions the 1982 crop year brought record yields for many crops, however the resulting low prices in many sectors resulted in sharply reduced net farm income.

A major management change occurred within this office in 1982. Our obsolete card punch machines and batch terminal were replaced with a new integrated computer system. This system provides hardware and software for data entry, word processing, data base and batch tele-communications--all simultaneously. This change has already produced significant improvements in data management and information processing as well as labor productivity.

These changes would have little meaning however without the support of our voluntary reporters. Without the timely data which is provided by many of you, who are growers or agri-business persons, our efforts to provide a good Federal/State agricultural data base would be ineffective. Thank you for your continued support.

Sincerely,

Don J. Fedewa

Don J. Fedewa
Statistician in Charge

Michigan's Rank in the Nation's Agriculture, 1982

COMMODITY	Rank Among States	Production	Unit	% of U.S. Production
		1,000		
Tart Cherries	1	260,000	Lbs.	83.6
Dry Beans	1	7,425	Cwt.	30.0
Navy Beans	1	6,143	Cwt.	81.5
Apples	3	950,000	Lbs.	11.6
Celery	3	1,551	Cwt.	8.6
Mushrooms	3	19,044	Lbs.	3.7
Prunes & Plums	3	11	Tons	18.5
Sweet Cherries	3	67,000	Lbs.	21.2
Tomatoes, Processing	3	204.7	Tons	2.8
Grapes	4	58.5	Tons	.9
Non-Fat Dry Milk	4	97,066	Lbs.	6.9
Snap Beans, Processing	4	36.6	Tons	5.7
Strawberries	4	216	Cwt.	2.5
Carrots	5	1,709	Cwt.	7.4
Cauliflower	5	70	Cwt.	1.3
Pears	5	12	Tons	1.5
Spearmint	5	125	Lbs.	9.4
Sugarbeets	5	1,853	Tons	8.7
Butter	6	55,054	Lbs.	4.4
Corn, Sweet	6	805	Cwt.	5.8
Creamed Cottage Cheese	6	40,124	Lbs.	5.4
Milk Production	6	5,253	1,000 Lbs.	3.9
Oats	6	28,350	Bu.	4.6
Peaches	6	30,000	Lbs.	4.2
Ice Milk	7	10,771	Gal.	3.8
Onions	7	2,336	Cwt.	5.7
Rye	7	638	Bu.	3.1
Alfalfa Hay	8	3,675	Tons	4.1
Corn for Grain	8	307,308	Bu.	3.7
Lettuce	9	375	Cwt.	.6
Tomatoes, Fresh Market	9	403	Cwt.	1.5
Corn for Silage	10	4,185	Tons	3.7
Ice Cream	10	33,475	Gal.	3.9
Mink	10	144	Pelts	3.5
Potatoes	11	9,645	Cwt.	2.8
Hogs and Pigs	14	275,835	Lbs.	1.4
Soybeans	18	32,240	Bu.	1.4
Winter Wheat	22	24,600	Bu.	1.2
Cash Receipts from Marketings	22	2,757,094	Dollars	1.9

Michigan Crop Acreage, Production and Value

CATERGORIES & ANNUAL TOTALS	Acreage Harvested	Total Production	Value of Production
	000 Acres	000 Tons	000 Dollars
1982 CROPS:			
Field Crops[1] ...	7,339	22,102	1,513,676[2]
Fruit.....	106	706	143,276
Vegetables....	63	609	88,928
TOTAL CROPS:			
1982.....	7,508	23,417	1,745,880[2]
1981.....	7,518	22,015	1,841,840
1980.....	7,234	21,270	1,919,719

1/ Includes minor crops.
2/ Includes 1982 sugarbeet production valued at the 1981 level.

Production Index by Groups, Michigan (1977=100)

YEAR	All Crops[1]	Feed Grains[2]	Hay	Cash Crops[3]	Fruit
1982..	134	146	153	104	149
1981..	125	128	136	115	104
1980..	118	116	135	108	136
1979..	111	112	134	96	109
1978..	101	93	135	86	143

1/ Includes feed grains, hay, cash crops and fruit. 2/ Corn, oats and barley. 3/ Wheat, dry beans, soybeans, sugarbeets and potatoes.

Production Index by Groups, United States (1977=100)

YEAR	All Crops[1]	Feed Grains	Hay & Forage	Food Grains	Sugar Crops
1982..	120	124	118	140	95
1981..	116	121	106	143	107
1980..	101	97	98	120	97
1979..	112	116	108	108	93
1978..	102	108	106	93	100

1/ Includes vegetables, fruits, nuts and some other crops not in separate groups shown, and farm vegetable gardens.

Farm Numbers and Acreage, Michigan[1]

YEAR	New Farm Definition[2]			Old Farm Definition[3]		
	Number of Farms	Average Size Per Farm	Total Land in Farms	Number of Farms	Average Size Per Farm	Total Land in Farms
		Acres	000 Acres		Acres	000 Acres
1982.....	65,000	177	11,500	4/	4/	4/
1981.....	66,000	174	11,500	4/	4/	4/
1980.....	66,000	173	11,400	4/	4/	4/
1979.....	66,000	173	11,400	4/	4/	4/
1978.....	66,000	173	11,400	72,000	158	11,400
1970.....	4/	4/	4/	84,000	151	12,700
1960.....	4/	4/	4/	118,000	131	15,400
1950.....	4/	4/	4/	161,000	111	17,900
1940.....	4/	4/	4/	190,000	97	18,400
1930.....	4/	4/	4/	179,000	101	18,000
1920.....	4/	4/	4/	196,447	97	19,033
1910.....	4/	4/	4/	206,960	92	18,941
1900.....	4/	4/	4/	203,261	86	17,562

1/ Starting with 1979, U.S.D.A. estimates of farm numbers and land in farms is based on the "New Farm Definition" used by the Department of Commerce, Bureau of the Census, Estimates listed for 1978 for comparison. 2/ Places with annual sales agricultural products of $1,000 or more. 3/ Places of 10 or more acres that had annual sales of $50 or more or places that had annual sales of $250 or more. 4/ Data not available.

Value of Farm Real Estate and Farm Population

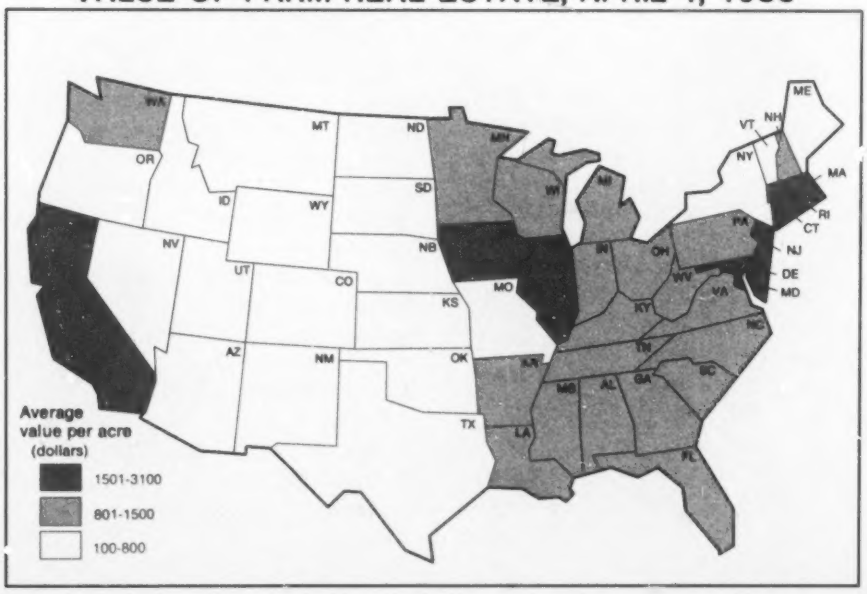
REGION/STATE	April 1,		February 1,		Farm Population 1980[2]	% of Total Population 1980
	1983	1982	1981	1980		
	Dollars per Acre [1]					
Northeast						
Maine	649	636	612	579	13,963	1.2
New Hampshire	1,109	1,087	1,045	988	6,640	0.7
Vermont	797	781	751	710	18,079	3.5
Massachusetts	1,741	1,707	1,641	1,552	9,839	0.2
Rhode Island	2,860	2,804	2,696	2,548	1,115	0.1
Connecticut	2,687	2,634	2,533	2,395	7,383	0.2
New York	770	786	749	708	123,109	0.7
New Jersey	3,056	3,118	2,998	2,926	18,984	0.3
Pennsylvania	1,279	1,332	1,447	1,404	158,183	1.3
Delaware	1,659	1,659	1,843	1,755	10,246	1.7
Maryland	2,174	2,416	2,556	2,251	44,934	1.1
Lake States						
Michigan	1,109	1,192	1,232	1,082	177,591	1.9
Wisconsin	1,019	1,073	1,105	980	282,722	6.0
Minnesota	1,065	1,197	1,231	1,061	315,400	7.7
Corn Belt						
Ohio	1,297	1,474	1,727	1,678	271,542	2.5
Indiana	1,492	1,715	1,972	1,833	276,154	5.0
Illinois	1,727	1,940	2,133	2,013	313,978	2.7
Iowa	1,568	1,802	1,941	1,811	391,070	13.4
Missouri	799	872	941	878	282,074	5.7
Northern Plains						
North Dakota	414	436	423	399	103,881	15.9
South Dakota	271	291	290	273	112,854	16.3
Nebraska	563	626	660	600	178,113	11.3
Kansas	544	585	590	573	172,901	7.3
Appalachian						
Virginia	1,050	1,040	1,080	1,009	113,115	2.1
W. Virginia	829	829	751	704	28,730	1.5
North Carolina	1,297	1,284	1,331	1,215	188,437	3.2
Kentucky	966	996	991	955	244,589	6.7
Tennessee	923	972	1,024	953	175,673	3.8
Southeast						
South Carolina	863	918	930	879	53,595	1.7
Georgia	817	842	915	868	121,089	2.2
Florida	1,461	1,432	1,507	1,352	58,679	0.6
Alabama	876	922	935	792	87,757	2.3
Delta States						
Mississippi	920	1,000	1,047	825	84,758	3.4
Arkansas	983	1,104	1,061	921	107,648	4.7
Louisiana	1,481	1,511	1,519	1,288	58,945	1.4

Value of Farm Real Estate and Farm Population–Continued

REGION/STATE	April 1,		February 1,		Farm Population 1980[2]	% of Total Population 1980
	1983	1982	1981	1980		
	Dollars per Acre[1]					
Southern Plains						
Oklahoma	661	696	662	604	129,874	4.3
Texas	593	576	492	448	268,893	1.9
Mountain States						
Montana	236	254	239	229	58,396	7.4
Idaho	700	753	717	669	69,129	7.3
Wyoming	162	170	164	153	19,407	4.1
Colorado	411	419	412	376	59,152	2.0
New Mexico	200	211	203	190	20,087	1.5
Arizona	279	294	282	264	13,770	0.5
Utah	561	590	567	530	18,372	1.3
Nevada	268	282	271	253	5,539	0.7
Pacific States						
Alaska	--	--	--	--	822	0.2
California	1,925	1,905	1,735	1,426	176,460	0.7
Hawaii	--	--	--	--	4,523	0.5
Oregon	580	611	605	556	78,045	3.0
Washington	888	888	854	725	81,664	2.0
United States	744	789	795	725	5,167,903	2.5

1/ Average value per acre of land and buildings, by state, grouped by farm production region. 2/ Source: Bureau of the Census: U.S. Dept. of Commerce News.

VALUE OF FARM REAL ESTATE, APRIL 1, 1983

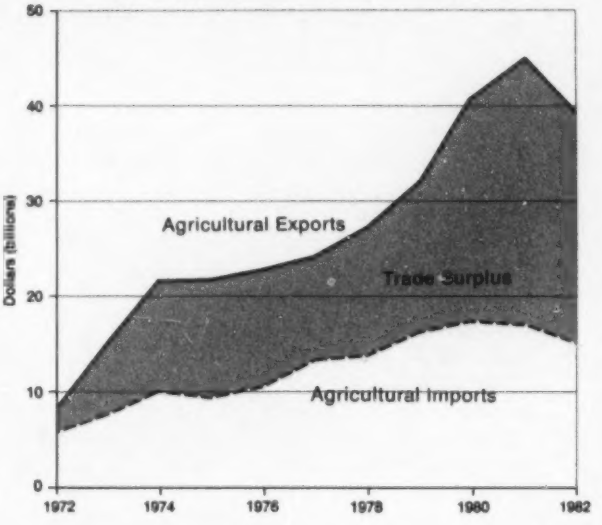


EXPORTS[1]

Michigan agricultural exports fell 19.8 percent from a record high of $938.4 million in FY 1981 to $752.6 million in FY 1982. Reduced shipments of corn and soybeans accounted for most (89.5 percent) of the decline.

Numerous factors have contributed to the downturn in exports. The world recession has depressed export shipments, while the rise in the value of the dollar with respect to foreign currencies has offset much of the decline in domestic prices and curtailed demand for our commodities. In addition, U.S. trade relations with a number of communist countries have deteriorated in recent years which hindered export shipments. Nationally, farm exports declined from $43.8 billion to $39.1 billion during the same period.

U.S. Agricultural Trade Balance



[1] Data provided by: Dr. Ming W. Wu, Marketing Division, MDA; P.O. Box 30017; Lansing, Michigan 48909; (517) 373-1054.

Total Agricultural Exports

FISCAL YEAR	Michigan	United States
	Million Dollars	
1982.....	752.6	39,094
1981.....	938.4	43,780
1980.....	687.3	40,481
1979.....	494.4	31,979
1978.....	493.4	27,289

Source: USDA, ERS (FATUS)

Michigan ranked 17th among all states in exports of agricultural products, compared with 15th in FY 1981. The top ten leading states, in descending order, were Illinois ($3,306.4 million), Iowa ($3,026.1 million), California ($2,854.1 million), Texas, Minnesota, Nebraska, Kansas, Indiana, Missouri and North Dakota.

For individual commodity groups, Michigan's exports of vegetable and dry edible beans ranked fourth in the nation following California, Washington and Idaho. The state ranked sixth in exports of dairy products as well as fruit and fruit preparations, and ninth in feed grains and products.

Feed grains and products continued to lead Michigan farm commodity exports, although dropped 38 percent from the previous year's level of $400.8 million to $248.4 million in FY 1982. But less than one-third of Michigan's corn crop was sold to foreign countries in 1982.

Exports of vegetables and dry edible beans totaled $150.6 million in FY 1982, down approximately 10 percent or $17.4 million from the previous year's level of $168.0 million. Vegetables and dry edible bean shipments made up 20 percent of the state's farm exports.

The state captured a gain of $1.5 million or one percent in exports of wheat and wheat products, contrasting the drop of 4.7 percent Nationally. Michigan's shipments of wheat and wheat products in FY 1982 totaled $123.1 million and shared 16.4 percent of the total exports.

Following closely with wheat and wheat products, Michigan's exports of soybeans and soybean products had $122.6 million. This was a lag of 10 percent or $13.8 million behind FY 1981's pace of $136.4 million.

Exports of fruit and fruit preparations totaled $28.6 million, down nearly 16 percent or $5.4 million from FY 1981.

Other important products exported during FY 1982 included dairy products, animals and meats including poultry products, hides and skins, fats, oils and greases.

Remark: Commodities usually pass through several transfer points and are often co-mingled with those produced in other states before actually being exported. Their identity with respect to state of origin is lost in the process.

In an effort to approximate shipments by commodity by state, total exports from the United States reported by the U.S. Customs Districts are used. These are prorated to all states producing that commodity according to the proportion of national production for that state. This official compilation is made and published by the United States Department of Agriculture, Economic Research Service in a series entitled Foreign Agricultural Trade of the United States (FATUS).

Michigan Exports by Commodity

COMMODITIES	1982	1981	1980	1979	1978
	Million Dollars				
Feed Grains & Products	248.4	400.8	285.7	186.3	184.4
Wheat & Products	123.1	121.6	95.2	51.8	70.9
Soybeans & Products	122.6	136.4	114.7	76.2	78.6
Fruits & Preparations	28.6	34.0	24.2	22.9	17.6
Vegetables & Dry Edible Beans	150.6	168.0	83.4	74.5	66.0
Livestock & Products	51.7	47.4	57.5	49.1	42.4
Other	27.6	30.2	26.6	33.6	33.5
TOTAL	752.6	938.4	687.3	494.4	493.4

Source: USDA, ERS (FATUS)

Farm Labor

The farm labor data series has changed dramatically in the past few years. Up until 1981 data was collected quarterly; January, April, July, and October. As Federal budgets become reduced, surveys were conducted only during January and April in 1981. Beginning in 1982 the survey was changed to yearly and is conducted in July.

To show comparisons with previous years, we have published only the July data. This is given for compariable data items only as the make-up of the total July survey estimates is somewhat different than the series conducted through early 1981.

Michigan Workers on Farms

WORKERS	JULY 1982	1981	1980	1979	1978
	000 Persons				
FAMILY	58	1/	79	80	90
HIRED	45	1/	51	48	47
TOTAL	103	1/	130	128	137

1/ Data not collected.

Average Wage Rates in Michigan

WORKERS	JULY 1982	1981	1980	1979	1978
	$/Hr.				
FIELD	3.82	1/	3.45	3.30	2.71
HIRED	4.14	1/	3.35	3.05	2.69
HOURLY	3.70	1/	3.51	3.32	2.98

1/ Data not collected.

INCOME, PRICES AND ENERGY

Cash receipts from 1982 marketings of Michigan crops, livestock and livestock products, at $2.76 billion, declined 1 percent from the previous year. Crop cash receipts declined 3 percent but a 2 percent increase in livestock cash receipts was partially offsetting. With cash receipts down and farm expenses continuing to rise, many Michigan farmers faced difficult cash flow problems during 1982. Cash receipts provide only a measure of gross farm income and do not reflect the net income realized by farmers.

Increased 1982 livestock cash receipts were due to higher marketings of cattle, calves, milk and higher prices received for hogs. Lower average farm prices for milk were offset by the higher volume sold, resulting in the 1 percent increase in dairy receipts. Large declines in cash receipts for dry beans, wheat, and tart cherries led to the overall decline in Michgian crop cash receipts. Vegetable cash receipts increased during 1982 due to larger marketings of most vegetable crops. Fruit crop receipts declined by over 25 percent as lower prices for tart cherries and apples offset large increases in fruit marketings.

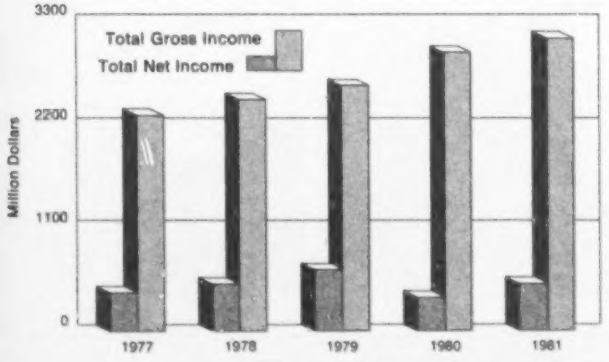
Farm expense data for Michigan is not yet available but preliminary U.S. data indicates that the prices paid by farmers for commodities and services increased about 2 percent in 1982. This was the smallest rise in prices paid since 1968, but 1982 was the third consecutive year that the increase in prices paid exceeded prices received. Declining prices for feed and fuels were offset by increasing costs for machinery, chemicals, farm labor, interest and motor supplies. Preliminary estimates place U.S. net farm income for 1982 at $20.2 billion, virtually unchanged from the low 1981 income of $19.6 billion.

Farm Income

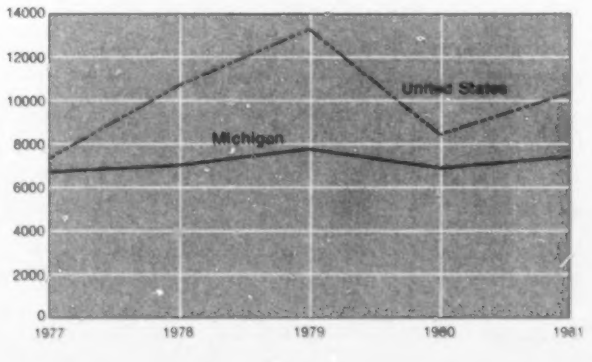
The latest available farm income statistics for Michigan cover the year 1981. Statistics on 1982 Michigan farm income will be published during Fall 1983, too late to be included in this issue of Michigan Agricultural Statistics. Realized net farm income in Michigan during 1981 fell 31 percent from the preceeding year. Realized net farm income is measured before allowing for year-to-year changes in the inventories of commodities such as grain and livestock owned by farmers. Realized net farm income, at $338.5 million, was at its lowest level since 1972.

Another large increase in farm production expenses offset a slight increase in gross farm income and resulted in the large 1981 drop in realized net farm income. Farm production expenses increased 9 percent to a record $2.9 billion in 1981. This followed the previous year's increase of 18 percent. Gross farm income increased only 3 percent, the smallest increase since 1975. Realized net income per Michigan farm averaged just over $5,100, the lowest level since 1972.

Total Gross and Net Income, Michigan



Income Per Farm



Gross and Net Income, Michigan[1]

ITEM	1981	1980	1979	1978	1977
	Million Dollars				
Realized Gross Farm Income					
Cash receipts from farm marketings..	2,789.2	2,764.5	2,321.5	2,055.2	1,949.2
Government payments.....	17.3	10.7	15.6	45.5	21.2
Non money income.....	387.6	333.4	297.8	268.7	257.5
Other farm income.....	37.7	30.3	30.2	24.1	23.0
Total gross farm income.....	3,231.8	3,138.8	2,665.0	2,393.6	2,250.9
Farm production expenses.....	2,893.2	2,645.9	2,248.0	1,942.4	1,746.7
Realized net farm income[2].....	338.5	492.8	417.0	451.2	504.2
Net change in farm inventories.....	147.3	-31.9	100.8	16.8	-38.3
Total net farm income.....	485.8	460.9	517.8	468.0	465.9

1/ Items may not add to totals due to rounding. 2/ Does not take into account the net change in farm inventories.

Income Per Farm

YEAR	Michigan			United States		
	Realized Gross Income[1]	Realized Net Income[1]	Total Net Income[2]	Realized Gross Income[1]	Realized Net Income[1]	Total Net Income[2]
	Dollars			Dollars		
1981.....	48,966	5,129	7,361	66,189	8,042	10,312
1980.....	47,557	7,467	6,983	63,802	10,057	8,289
1979.....	40,379	6,318	7,846	59,963	11,002	13,312
1978.....	36,267	6,837	7,091	51,790	10,501	10,941
1977.....	33,101	7,414	6,851	43,843	7,123	7,563

1/ Excludes changes in inventories, and represents income of farm operators.
2/ Includes changes in inventories.

Cash Income and Government Payments, Michigan[1]

YEAR	Cash Income from Farm Marketing			Other Income		Total Gross Farm Income
	Crops	Livestock and Livestock Products	Total	Government Payments	Other Sources[2]	
	Million Dollars					
1982.....	1,624.5	1,132.5	2,757.1	NA	NA	NA
1981.....	1,678.2	1,111.1	2,789.2	17.3	425.3	3,231.8
1980.....	1,626.9	1,137.6	2,764.5	10.7	363.7	3,138.8
1979.....	1,317.7	1,003.8	2,321.5	15.6	328.0	2,665.0
1978.....	1,072.2	983.1	2,055.2	45.5	292.8	2,393.6
1977.....	1,117.8	831.4	1,949.2	21.2	280.5	2,250.9

1/ Items may not add to totals due to rounding. 2/ Includes non money income and other farm income.

Cash Receipts from Marketings, Michigan

PRODUCT	1981	1980	1979	1978	1977
			000 $		
LIVESTOCK & PRODUCTS TOTAL..	1,111,057	1,137,596	1,003,800	984,560	831,355
Dairy.....	694,072	647,602	571,725	496,661	452,265
Cattle & Calves.....	182,237	257,567	208,565	306,803	197,986
Hogs.....	129,020	135,678	124,490	87,278	91,094
Eggs.....	68,670	57,760	61,336	57,811	61,898
Sheep & Lambs.....	3,332	5,439	4,116	5,320	3,889
All Chickens.....	3,366	3,640	5,438	3,871	2,932
Wool.....	683	703	682	697	744
Other.....	29,677	29,207	27,448	26,119	20,547
CROPS TOTAL.....	1,678,160	1,626,870	1,317,666	1,071,697	1,119,141
Field Crops:					
Corn.....	481,805	511,355	318,719	248,791	286,968
Dry Edible Beans.....	201,240	149,250	111,234	80,783	111,802
Soybeans.....	165,325	227,372	194,586	97,133	134,660
Sugarbeets.....	79,772	77,004	60,295	41,595	36,100
Wheat.....	138,162	121,899	102,468	50,355	82,324
Potatoes.....	55,183	56,688	38,256	37,269	40,961
Hay.....	27,077	20,210	23,267	32,403	26,160
Oats.....	25,511	22,011	16,635	15,204	16,247
Mint.....	1,829	1,498	1,475	1,310	1,304
Red Clover Seed.....	561	580	745	813	1,041
Rye.....	868	866	984	681	418
Barley.....	1,820	1,332	1,315	1,492	1,740
Vegetables.....	148,920	1,228	118,911	128,437	111,991
Other.....	26,232	23,543	20,441	17,568	17,794
Fruit:					
Apples.....	79,417	73,195	75,204	73,192	52,914
Blueberries.....	26,572	16,400	16,164	17,820	1/
Cherries.....	52,610	40,797	59,359	73,370	57,901
Grapes.....	14,298	11,825	13,810	15,000	7,072
Peaches.....	7,486	7,584	6,693	9,504	8,502
Strawberries.....	8,448	7,001	10,041	7,973	6,280
Pears.....	1,923	2,141	1,703	2,930	1,673
Plums & Prunes.....	3,731	2,550	2,848	3,279	1,953
Other.....	1,108	1,030	971	777	8,872
Other Products:					
Forest & Maple.....	18,062	17,744	16,475	14,768	12,657
Greenhouse, Nursery.....	110,200	109,767	105,067	99,250	91,807
ALL COMMODITIES:.....	2,789,217	2,764,466	2,321,466	2,056,257	1,950,496
GOVERNMENT PAYMENTS.....	17,263	10,666	15,593	45,510	21,195
TOTAL.....	2,806,480	2,775,132	2,337,059	2,101,767	1,971,691

1/ Prior to 1978 Blueberries included in other.

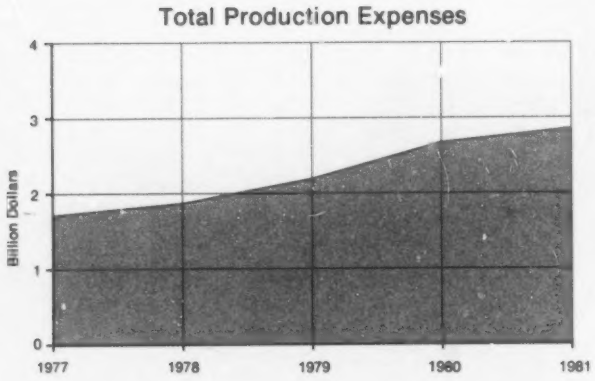
Government Payments, Michigan

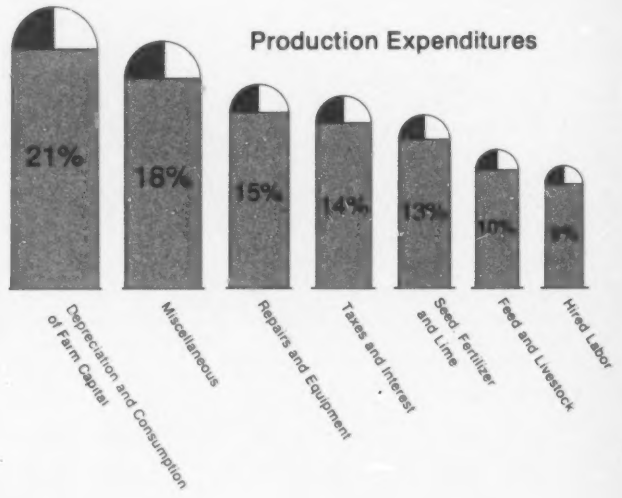
PROGRAM	1981	1980	1979	1978	1977
			000 Dollars		
Conservation Practices.....	4,476	4,074	3,753	4,717	4,347
Sugar Act.....	1/	1/	1/	1/	976
Wheat Programs.....	4,117	242	200	9,688	11,283
Feed Grain Programs.....	2,457	3,428	9,115	24,547	449
Drought and Flood Program.....	—	3	36	93	3,530
Misc. Programs.....	6,213	2,919	2,489	6,465	610
TOTAL.....	17,263	10,666	15,593	45,510	21,195

1/ Sugar Act included in miscellaneous for 1978-81.

Farm Expenses

Michigan farm production expenses continued their upward trend during 1981, but rose at a somewhat lower rate (9.3 percent) than the year before (17.7 percent). Expense items showing the largest increases included taxes, interest on farm mortgage debt, and seed costs. As may be expected, interest on farm mortgage debt showed the largest increase at almost 19 percent. Current or short-term farm operating expenses, which comprise the major portion of total expenses, increased only about half as much as the year earlier at 9.5 percent. Fixed operating costs rose comparably, climbing 9.1 percent above the 1980 level. Farm expense data is not yet available for 1982. However, preliminary National data indicates that farm expenses continued to rise during 1982, but at a rate of only about 2 percent





Farm Production Expenses

ITEM	1981	1980	1979	1978	1977
	Million Dollars				
Current Farm Operating Expenses:					
Feed	221.2	212.4	192.5	170.9	177.9
Livestock	51.8	67.0	54.0	33.1	28.6
Seed	121.8	103.1	91.1	81.2	74.2
Fertilizer & Lime	258.5	247.5	199.9	181.8	171.8
Repairs & Equipment Operation	434.4	395.9	336.9	285.6	253.6
Hired Labor	259.8	246.2	189.6	165.4	135.6
Miscellaneous	527.3	440.6	393.7	326.7	281.3
Total Current Expenses	1,874.8	1,712.7	1,457.7	1,244.8	1,123.0
Depreciation & Consumption of Farm Capital	606.9	569.1	492.2	443.4	388.6
Taxes on Farm Property	199.2	178.2	149.7	133.2	122.9
Interest on Farm Mortage Debt	202.2	170.5	140.1	113.6	98.2
Net Rent to Non-Farm Landlords	10.1	15.5	8.3	7.4	8.7
Total Production Expenses[1]	2,893.2	2,645.9	2,248.0	1,942.4	1,741.4

1/ Items may not add to totals because of rounding.

Prices Received by Farmers

Prices Received for Field Crops

YEAR[1] AND MONTH	Corn Bu.	Wheat Bu.	Oats Bu.	Soy-beans Bu.	Dry Beans Cwt.	Navy Beans Cwt.	Potatoes Cwt.	All Hay Ton	Alfalfa Hay Ton
					Dollars				
1982 January.....	2.32	3.52	2.18	6.05	29.60	30.40	5.75	67.00	70.00
February.....	2.31	3.27	2.23	5.90	27.70	28.00	6.25	70.00	75.00
March.....	2.31	3.38	2.30	5.93	25.40	28.00	6.60	71.00	75.00
April.....	2.49	3.22	2.28	6.14	24.00	24.30	6.70	76.00	80.00
May.....	2.45	3.20	2.29	6.24	23.20	23.50	6.90	82.00	90.00
June.....	2.52	3.21	2.18	6.10	20.10	22.20	8.00	51.00	90.00
July.....	2.48	3.29	1.44	5.92	17.80	17.70	9.00	42.00	55.00
August.....	2.26	3.30	1.40	5.38	16.80	16.60	4.90	53.00	45.00
September....	2.16	3.23	1.32	5.10	14.50	14.30	4.40	53.00	55.00
October.....	1.86	2.79	1.22	4.94	12.90	12.50	4.80	53.00	55.00
November.....	2.03	3.00	1.47	5.20	10.60	10.80	4.50	62.00	63.00
December.....	2.13	3.18	1.63	5.32	10.70	10.20	4.30	60.00	65.00
1982[2].....	2.20	3.20	1.45	5.35	12.30	11.20	4.75	61.50	60.00
1981.....	2.39	3.47	1.97	6.02	25.60	25.90	6.30	56.50	63.00
1980.....	3.05	3.60	1.85	7.47	26.40	28.50	6.65	36.50	39.00
1979.....	2.46	3.82	1.45	6.13	18.50	18.50	4.44	36.00	38.00
1978.....	2.22	3.30	1.25	6.81	14.80	14.30	4.57	45.50	48.00

1/ Marketing year. 2/ Preliminary

Index of Prices Received for Crop Commodity Groups (1977=100)

YEAR OR MONTH	CROPS				
	All Crops	Cash Field	Fruit	Vegetables	Feed Crops
1982 January.....	131	150	125	126	121
February.....	131	146	127	129	123
March.....	133	144	145	128	124
April.....	136	141	128	127	136
May.....	135	141	129	127	135
June.....	123	137	116	127	116
July.....	118	135	111	136	106
August.....	113	118	114	123	107
September.....	103	110	78	118	104
October.....	96	103	77	109	94
November.....	101	103	78	103	106
December.....	99	95	77	101	109
1982.....	118	127	109	121	115
1981.....	132	160	107	137	121
1980.....	126	131	134	104	122
1979.....	113	114	125	92	110
1978.....	106	107	118	91	102
1947-1949.....	55	65	41	34	73
1935-1939.....	21	25	17	13	31
1910-1914.....	22	25	17	—	39

Prices Received for Livestock and Livestock Products[1]

YEAR & MONTH	Hogs Cwt.[2]	Beef Cattle Cwt.[3]	Cows Cwt.[4]	Steers & Heifers Cwt.	Milk Cows Head[5]	Calves Cwt.	Eggs Doz.	All Milk Wholesale Cwt.
	Dollars						Cents	Dollars
1982 January....	40.20	45.80	36.80	53.50	1,200	54.00	60.0	14.10
February...	44.60	44.90	37.30	53.70	--	52.00	59.0	14.00
March.....	49.00	48.70	39.40	59.20	--	57.60	64.0	13.90
April.....	48.70	53.10	41.60	61.00	1,150	58.00	56.0	13.70
May.....	51.40	54.20	44.30	60.30	--	59.90	45.0	13.30
June.....	56.90	51.90	43.00	60.00	--	64.90	40.0	13.20
July.....	58.30	51.10	41.80	58.00	1,150	59.40	44.0	13.20
August.....	58.60	48.00	40.50	56.00	--	59.30	39.0	13.20
September..	61.30	47.90	39.30	54.70	--	59.00	44.0	13.50
October....	60.90	47.00	38.80	52.30	1,110	54.80	46.0	13.70
November...	55.20	42.20	36.00	49.90	--	50.90	46.0	13.90
December...	52.30	43.20	36.00	51.50	--	52.30	44.0	13.90
1982.....	52.50	48.00	39.30	55.80	1,150	57.20	51.0	13.60
1981.....	43.70	49.50	41.30	56.20	1,280	65.20	54.0	13.80
1980.....	38.80	55.90	47.40	62.90	1,230	82.50	48.0	13.20
1979.....	42.90	58.20	50.50	65.60	1,080	86.60	50.0	12.00
1978.....	47.60	44.20	36.90	50.60	665	61.60	46.5	10.50

1/ Monthly prices discontinued for sheep, lambs, and wool. Refer to page 49 for annual averages. 2/ Prices pertain to the marketing year, previous December through November. 3/ Combined price for "cows" and steers and "Heifers". 4/ Beef cows sold for slaughter and herd replacement, and cull dairy cows sold for slaughter. 5/ Sold for dairy herd replacement only. Price series changed to quarterly, effective January 1982.

Index of Prices Received for Livestock Commodity Groups

(1977=100)

YEAR OR MONTH	Livestock				
	All Livestock	Dairy Products	Meat Animals	Poultry & Eggs	All Livestock and Crops
1982 January.....	138	146	128	121	136
February.....	138	145	131	119	134
March.....	141	144	138	129	134
April.....	142	142	148	113	139
May.....	140	138	156	91	138
June.....	138	137	153	81	130
July.....	138	137	151	89	127
August.....	136	137	148	79	123
September.....	139	140	148	93	119
October.....	138	142	141	93	115
November.....	135	144	129	93	116
December.....	136	144	132	89	116
1981.....	138	141	135	99	127
1980.....	138	143	142	120	135
1979.....	137	136	135	102	131
1978.....	133	125	147	106	123
1977.....	116	109	156	101	111
1947-1949.....	55	45	57	113	55
1935-1939.....	23	19	21	55	23
1910-1914.....	19	16	17	49	20

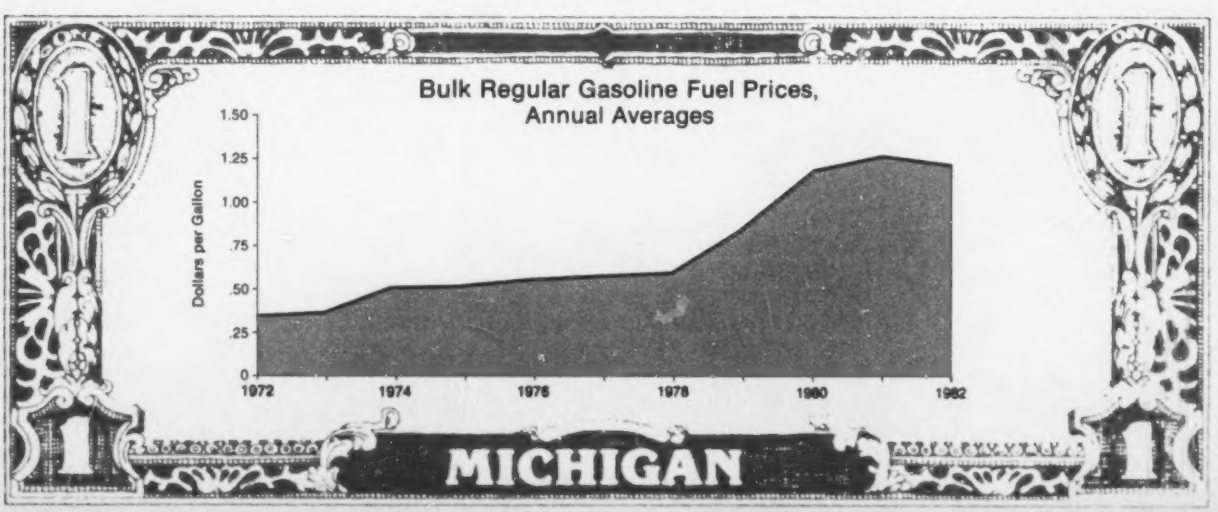
Prices Paid by Michigan Farmers: Annual Averages

COMMODITY	Unit	1982	1981	1980	1979	1978
		Dollars				
BUILDING MATERIALS:						
Framing lumber, 2"x4" pine	M bd. ft.	319.00	354.00	349.00	370.00	353.00
Shingles, asphalt, 3 in 1	Sq.	27.50	29.00	29.00	26.00	24.00
Roofing, gal. steel, 28-29 Ga.	100 Sq. Ft.	47.50	47.00	43.00	40.50	38.00
Nails, 8d, common	Lb.	.805	.775	.708	.595	.580
Plywood, 1/2" C-D-X, 4'x8'	Sheet	8.85	10.05	10.50	11.25	10.90
Insulating sheating, 1/2",4'x8'	Sheet	4.10	4.20	3.55	3.85	3.80
Portland Cement, 94 lb	Bag	5.55	5.52	5.13	4.35	3.72
Paint, exterior	Gal.	18.85	17.75	15.40	14.00	13.10
FENCING:						
Barbed wire, 4 pt., 80 rds	Spool	39.75	37.50	39.90	36.25	30.50
Woven wire, 32" high, 20 rds	Roll	71.75	72.25	75.25	72.75	65.50
Post, wood	Ea.	3.45	3.72	3.12	2.25	1.95
Post, steel	Ea.	3.00	3.20	3.00	3.01	2.88
FEEDS:						
Chick starter	Ton	225.00	250.00	230.00	210.00	195.00
Laying feed	Ton	193.00	198.00	192.00	163.00	147.00
Dairy feed, 16%	Ton	178.00	207.00	189.00	165.00	158.00
Hog feed, 14-18%	Cwt.	9.50	10.90	9.75	8.70	7.91
Hog conc., 38-42%	Cwt.	14.70	15.90	15.40	14.69	13.12
Beef cattle conc., 32-36%	Cwt.	13.80	14.00	13.00	12.28	10.53
Soybean meal, 44%	Cwt.	13.30	15.40	14.00	13.28	11.85
Stock salt	Cwt.	7.60	7.10	6.30	5.36	4.78
MOTOR SUPPLIES:						
Gasoline, regular, bulk	Gal.	1.228	1.275	1.170	.830	.596
Diesel fuel	Gal.	1.157	1.199	.998	.722	.493
Motor oil, HD, detergent	Gal.	4.35	4.10	3.88	3.07	2.74
Grease, 35 lb	Pail	28.90	28.15	24.60	19.65	17.00
Truck tire, 7.00-15, 6 ply	Ea.	65.75	60.75	59.00	51.12	48.38
Truck tire, 9.00-20, 10 ply	Ea.	190.00	177.50	156.50	141.50	1/
Tractor tire, 15.5-38, 6 ply	Ea.	300.00	280.00	267.50	217.50	1/
Tractor tire, 18.4-34, 6 ply	Ea.	371.00	365.00	341.00	272.50	251.00
Spark plugs	Ea.	1.70	1.70	1.52	1.55	1.38
FARM MACHINERY:						
Tractors: 30-39 hp	Ea.	12,200	10,800	10,100	8,700	7,800
50-59 hp	Ea.	16,200	14,700	13,500	12,200	10,700
110-129 hp	Ea.	36,000	34,700	31,200	27,000	25,000
170-240 hp.4-wd	Ea.	71,300	65,700	59,000	50,200	46,700
Farm wagon[2]	Ea.	1,800	1,750	1,350	1,200	1,150
Manure spreader, 141-190 bu[3]	Ea.	4,400	4,250	3,550	3,050	3,000
Corn planter, 4-row[4]	Ea.	7,000	6,100	5,600	4,700	4,350
Mower, 7 ft	Ea.	2,300	1,850	1,800	1,450	1,100
Pick-up baler, pto	Ea.	6,800	5,900	5,500	5,200	4,450
Plows, 1-way: 3 bottom	Ea.	2,100	2,100	2,025	1,650	1,600
5 bottom	Ea.	7,600	6,700	5,850	5,450	4,700
7 bottom	Ea.	11,300	10,000	8,350	7,750	6,900

Prices Paid by Michigan Farmers: Annual Averages – Continued

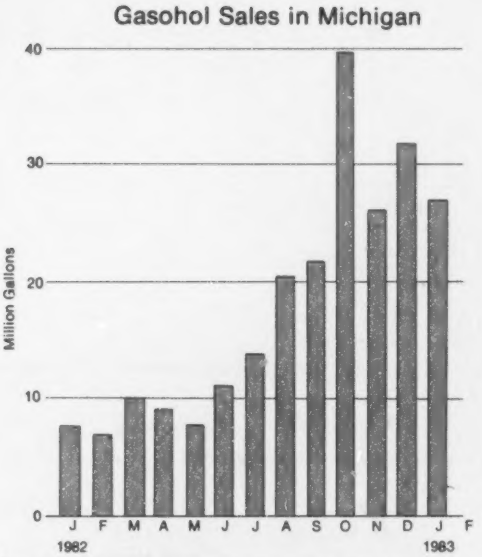
COMMODITY	Unit	1982	1981	1980	1979	1978
		Dollars				
FARM MACHINERY:						
Disc harrow, tandem: 15-17 ft	Ea.	6,500	5,850	6,000	4,875	4,675
Grain drill, 15-17 tube.....	Ea.	4,100	3,800	3,600	3,375	2,850
Cultivators, mounted: 4-row..	Ea.	2,400	2,150	1,900	1,700	1,700
6-row..	Ea.	3,000	2,700	2,550	2,150	2,050
FERTILIZERS:						
5-20-20.....	Ton	170.00	173.00	178.00	149.00	128.00
6-24-24.....	Ton	201.00	210.00	209.00	167.60	144.00
12-12-12.....	Ton	174.00	175.00	171.00	137.50	123.00
10-34-0.....	Ton	258.00	271.00	258.00	182.50	164.00
18-46-0.....	Ton	250.00	255.00	283.00	231.25	186.00
Ammonium Nitrate, 33.5% N....	Ton	194.00	188.00	174.00	137.50	138.00
Anhydrous Ammonia.....	Ton	253.00	254.00	234.00	183.75	172.00
Urea, 45-46% N.....	Ton	220.00	246.00	232.00	181.25	170.00
Nitrogen solution, 28%.....	Ton	136.00	136.00	131.00	108.75	107.00
Super Phosphate, 46%.....	Ton	209.00	228.00	242.00	190.00	153.00
Muriate of Potash, 60%.....	Ton	136.00	141.00	135.00	117.50	99.00
Limestone.....	Ton	14.75	14.60	15.50	13.75	11.90
PESTICIDES:						
Malathion, 5 lb/gal.emul[5]....	5 gal.	96.50	86.50	77.50	62.00	13.00
2, 4-D, 4 lb/gal. emul[5].....	5 gal.	57.00	55.00	59.00	42.50	8.50
Atrazine, WP 80%[6].....	5 lb.	10.25	10.75	9.00	9.45	2.00
Sevin, WP, 80%[6].....	10 lb	25.75	23.50	22.00	19.50	1.85
UTILITIES:						
Electricity.....	Kw-hr.	.065	.057	.056	.048	.048
Telephone, Local Service.....	Month	11.60	10.60	9.00	9.00	9.00
LP Gas.....	Gal.	.723	.733	.632	.449	.418

1/ Not available. 2/ Gravity unload, less tires. 3/ Conveyor type, pto, 2-wheel. 4/ With fertilizer attachment. 5/ Price per gallon prior to 1979. 6/ Prices per pound prior to 1979.



ENERGY[1]

In Michigan, ethanol blended sales in 1982 were 212 percent over 1981. About 206.8 million gallons were sold in Michigan as compared to 66.5 million in 1981. Michigan moved one notch in the national rankings to number 3 behind Iowa and California. Michigan's sales trends are also reflected in National sales. In 1982 sales of ethanol blended gasoline rose over 310 percent over 1981 sales Nationally . About 2.2 billion gallons were sold in the U.S. in 1982 as compared with 710 million gallons in 1981.



[1] Data provided by: Vincent Parris. Marketing Division, MDA, P.O. Box 30017, Lansing, Michigan 48909, (517) 373 - 1054

Number of Gallons of Gasohol Sold in Michigan

MONTHS	1983	1982	1981	1980	1979
January	27,091,206	7,731,884	3,619,280	492,229	--
February	24,763,382	6,913,271	3,756,140	1,089,411	--
March	28,764,896	10,191,794	4,492,190	751,700	--
April	47,934,552	9,026,913	3,008,974	1,113,949	--
May		7,735,280	6,013,891	3,065,190	--
June		11,374,018	5,745,617	2,776,604	--
July		13,906,670	6,411,793	3,562,626	--
August		20,404,133	6,861,596	2,562,250	--
September		21,775,471	6,269,219	3,914,390	95,466
October		39,605,197	5,227,087	3,633,890	10,000
November		26,218,182	7,472,888	3,146,214	33,552
December		31,911,603	7,651,074	3,430,055	135,999
TOTAL		206,794,416	66,529,749	29,538,508	275,017

Source: Department of Treasury.
Note: Data not available for the first 8 months of 1979.

Commercial Fertilizer Usage, Michigan

YEAR[1]	Kind of Fertilizer			Primary Nutrients			
	Mixtures	Direct Application Materials Primary Nutrients	Total[2]	Total Nitrogen	Available Phosphoric Acid	Potash	Total[3] NPK
	Tons						
1982....	662,275	677,794	1,345,548	258,241	178,041	243,937	680,219
1981....	680,086	709,215	1,393,553	260,136	176,515	264,912	701,563
1980....	669,363	597,254	1,272,556	236,458	163,382	243,465	643,305
1979....	685,086	610,937	1,303,350	239,842	173,699	249,769	663,310
1978....	677,416	542,989	1,225,687	216,222	168,474	233,884	618,579

1/ Years end June 30. 2/ Total includes micronutrients not listed separate. 3/ The sums of individual items may not equal totals due to rounding.

FIELD CROPS

General Information

A large share of Michigan's agricultural economy is attributed to the raising and selling of field crops. In addition, the portion of the crop not sold is used on the farm as livestock feed. During 1982, field crop farmers set new production records for corn, soybeans, all hay and alfalfa hay. Record yields were established for corn, oats, all hay, alfalfa hay, barley and rye. Harvested acreage of soybeans also attained a new high.

Michigan ranks first in the Nation in dry bean production. It's sugarbeet crop ranks fifth. In oats, spearmint, corn silage, corn for grain, rye and alfalfa hay, Michigan is among the top ten. In terms of cash receipts, corn, soybeans, dry beans, hay, sugarbeets and wheat are the most important Michigan field crops.

Spring plowing and planting for the 1982 season started in late April, slightly behind normal. Favorable weather during May enabled farmers to make rapid progress and planting of most field crops was completed on or ahead of schedule. The unusually warm, dry weather in May severely stressed the winter wheat crop and significantly reduced yields and induced larger than normal abandonment. Dry bean planting was hampered by mid-June rains and was completed slightly behind normal. Summer weather was nearly ideal for crop growth and development. The favorable weather continued throughout the fall and farmers were able to complete harvest of most field crops ahead of normal. The dry weather during the fall harvest season reduced the need for artificial drying.

Acreage and Production, United States

CROP	Acreage Harvested		Unit	Yield per Acre		Production	
	1982	1981		1982	1981	1982	1981
	000 Acres					000	
Corn, for grain.....	73,152	74,700	Bu.	114.8	109.8	8,397,334	8,201,598
Corn, silage.....	7,882	8,171	Ton	14.3	14.1	112,740	115,476
Oats.....	10,561	9,415	Bu.	58.4	54.1	616,931	509,167
Barley.....	9,113	9,158	Bu.	57.3	52.3	522,387	479,333
Wheat, all.....	78,841	81,013	Bu.	35.6	34.5	2,808,737	2,798,738
Winter.....	58,347	58,647	Bu.	36.1	35.9	2,108,246	2,103,538
Durum.....	4,217	5,755	Bu.	35.0	32.3	147,503	185,940
Other Spring.....	16,277	16,611	Bu.	34.0	30.7	552,988	509,260
Rye.....	715	706	Bu.	29.1	26.7	20,817	18,822
Soybeans.....	70,783	66,368	Bu.	32.2	30.1	2,276,976	2,000,145
Hay, all.....	60,679	60,192	Ton	2.51	2.38	152,424	143,201
Hay, alfalfa.....	26,548	26,374	Ton	3.41	3.18	90,513	83,792
Dry Beans.....	1,764.4	2,222.0	Cwt.	14.04	14.48	24,764	32,183
Potatoes, all.....	1,273.5	1,237.1	Cwt.	274.0	274.0	349,268	338,591
Sugarbeets.....	1,030.8	1,228.1	Ton	20.6	22.4	21,260	27,538
Peppermint, for oil..	58.0	69.5	Lb.	60.0	60.0	3,476	4,191
Spearmint, for oil...	22.2	29.2	Lb.	60.0	75.0	1,333	2,177

Field Crop Acreage, Production and Value, Michigan

CROP	YEAR	Acreage		Production			Price Received[1]	Value of Production
		Planted	Harvested	Unit	Per Acre	Total		
		000			000		Dollars per Unit	000 Dollars
CORN, all.....	1982	3,150	--	--	--	--	--	--
	1981	3,200	--	--	--	--	--	--
	1980	2,950	--	--	--	--	--	--
	1979	2,900	--	--	--	--	--	--
	1978	2,850	--	--	--	--	--	--
CORN, for grain	1982	--	2,820	Bu.	109	307,380	2.20	676,236
	1981	--	2,850	Bu.	96	273,600	2.39	653,904
	1980	--	2,600	Bu.	95	247,000	3.05	753,350
	1979	--	2,500	Bu.	95	237,500	2.46	584,250
	1978	--	2,400	Bu.	81	194,400	2.22	431,568
CORN, silage...	1982	--	310	Ton	13.5	4,185	19.40	81,189
	1981	--	320	Ton	13.0	4,160	19.80	82,368
	1980	--	325	Ton	13.5	4,388	19.20	84,250
	1979	--	370	Ton	13.5	4,995	16.20	80,919
	1978	--	420	Ton	12.5	5,250	16.30	85,575
WINTER WHEAT.....	1982	695	600	Bu.	41	24,600	3.20	78,720
	1981	840	830	Bu.	50	41,500	3.47	144,005
	1980	820	800	Bu.	44	35,200	3.60	126,720
	1979	750	735	Bu.	43	31,605	3.82	120,731
	1978	430	410	Bu.	40	16,400	3.30	54,120
OATS.....	1982	475	450	Bu.	63	28,350	1.45	41,108
	1981	360	340	Bu.	62	21,080	1.97	41,528
	1980	355	335	Bu.	60	20,100	1.85	37,185
	1979	330	310	Bu.	61	18,910	1.45	27,420
	1978	440	410	Bu.	57	23,370	1.25	29,213
BARLEY.....	1982	38	36	Bu.	56	2,016	2.40	4,838
	1981	27	26	Bu.	52	1,352	2.98	4,029
	1980	23	21	Bu.	53	1,113	3.75	4,174
	1979	21	20	Bu.	47	940	2.65	2,491
	1978	23	22	Bu.	47	1,034	2.60	2,688
RYE.....	1982	135	22	Bu.	29	638	3.00	1,914
	1981	130	19	Bu.	28	532	2.90	1,543
	1980	130	21	Bu.	24	504	2.85	1,436
	1979	135	25	Bu.	25	625	2.75	1,719
	1978	130	25	Bu.	24	600	2.05	1,230
SOYBEANS.....	1982	1,050	1,040	Bu.	31	32,240	5.35	172,484
	1981	980	970	Bu.	30	29,100	6.02	175,182
	1980	960	950	Bu.	32	30,400	7.47	227,088
	1979	1,020	1,010	Bu.	30	30,300	6.13	185,739
	1978	910	900	Bu.	24	21,600	6.81	147,096

Field Crop Acreage, Production and Value, Michigan – Continued

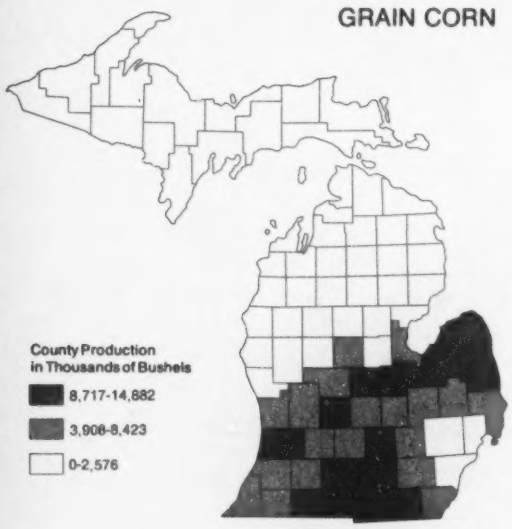
CROP	YEAR	Acreage		Production			Price Received[1]	Value of Production
		Planted	Harvested	Unit	Per Acre	Total		
		000			000		Dollars per Unit	000 Dollars
DRY BEANS[2].....	1982	560	550	Cwt.	1,350	7,425	12.30	91,328
	1981	650	590	Cwt.	1,220	7,198	25.60	184,269
	1980	590	570	Cwt.	1,360	7,752	26.40	204,653
	1979	470	460	Cwt.	1,400	6,440	18.50	119,140
	1978	530	520	Cwt.	1,150	5,980	14.80	88,504
SUGARBEETS.....	1982	97.5	96.5	Ton	19.2	1,853	3/	3/
	1981	102.0	99.0	Ton	20.5	2,030	26.50	53,795
	1980	99.0	97.0	Ton	19.5	1,892	40.70	77,004
	1979	93.0	88.0	Ton	17.6	1,550	38.90	60,295
	1978	93.0	91.5	Ton	19.3	1,770	23.50	41,595
POTATOES, all....	1982	43.0	40.8	Cwt.	236	9,645	4.75	45,658
	1981	40.5	38.3	Cwt.	222	8,503	6.30	53,602
	1980	41.0	39.8	Cwt.	227	9,022	6.65	59,788
	1979	41.9	40.6	Cwt.	235	9,548	4.44	42,411
	1978	43.5	42.3	Cwt.	235	9,953	4.57	45,479
POTATOES, summer	1982	8.0	7.8	Cwt.	200	1,560	3/	3/
	1981	8.5	8.3	Cwt.	175	1,453	7.05	10,244
	1980	8.5	8.3	Cwt.	195	1,619	6.75	10,928
	1979	8.9	8.6	Cwt.	180	1,548	4.40	6,811
	1978	8.5	8.3	Cwt.	175	1,453	4.80	6,974
POTATOES, fall..	1982	35.0	33.0	Cwt.	245	8,085	3/	3/
	1981	32.0	30.0	Cwt.	235	7,050	6.15	43,358
	1980	32.5	31.5	Cwt.	235	7,403	6.60	48,860
	1979	33.0	32.0	Cwt.	250	8,000	4.45	35,600
	1978	35.0	34.0	Cwt.	250	8,500	4.53	38,505
HAY, all.....	1982	--	1,370	Ton	3.20	4,379	61.50	269,309
	1981	--	1,270	Ton	3.07	3,894	56.50	220,011
	1980	--	1,310	Ton	2.93	3,844	36.50	140,306
	1979	--	1,330	Ton	2.88	3,833	36.00	137,988
	1978	--	1,430	Ton	2.70	3,857	45.50	175,494
HAY, alfalfa....	1982	--	1,050	Ton	3.50	3,675	--	--
	1981	--	1,000	Ton	3.30	3,300	--	--
	1980	--	1,020	Ton	3.20	3,264	--	--
	1979	--	1,040	Ton	3.10	3,224	--	--
	1978	--	1,140	Ton	2.90	3,306	--	--
SPEARMINT, for oil	1982	--	3.9	Lb.	32	125	14.30	1,788
	1981	--	3.8	Lb.	31	118	15.50	1,829
	1980	--	3.7	Lb.	29	107	13.70	1,466
	1979	--	3.8	Lb.	31	118	13.00	1,534
	1978	--	3.6	Lb.	29	104	12.60	1,310

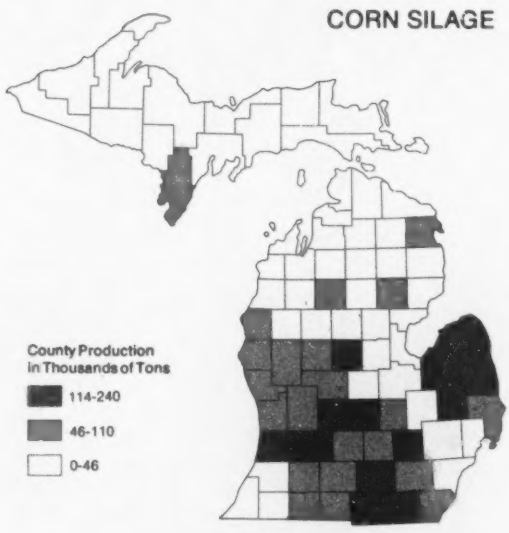
1/ Marketing year. 2/ Production per acre in pounds. 3/ Not available at publication time.

Corn

Corn is Michigan's leading crop in both acreage and value of production. The 1982 corn for grain crop was worth 676 million dollars—larger than the combined total of the nearest competitors; soybeans, dry beans, winter wheat and all hay.

Nearly ideal growing conditions throughout the 1982 season enabled growers to produce a record corn crop for the fourth consecutive year. The bumper crop was attributed to a record yield of 109 bushels per acre. The large crop enabled Michigan to retain its ranking as the eighth largest corn producing State in the Nation. Nationally, corn production in 1982 totaled a record 8.4 billion bushels, 2 percent above the previous years record crop.





Acreage, Yield, Production

YEAR	Acres Harvested	Yield/ Acre	Production
	000	Bu.	000 Bu.
1982.....	2,820	109	307,380
1981.....	2,850	96	273,600
1980.....	2,600	95	247,000
1979.....	2,500	95	237,500
1978.....	2,400	81	194,400

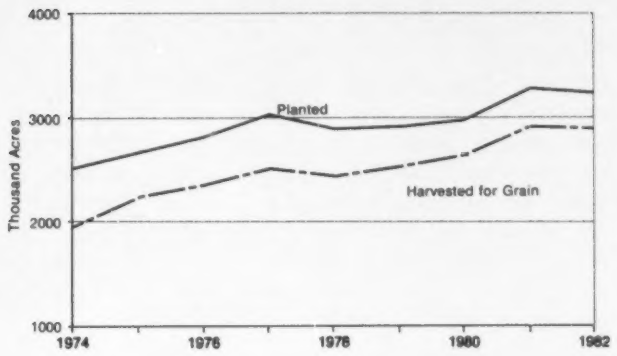
Acreage, Yield, Production

YEAR	Acres Harvested	Yield/ Acre	Production
	000	Tons	000 Tons
1982.....	310	13.5	4,185
1981.....	320	13.0	4,160
1980.....	325	13.5	4,388
1979.....	370	13.5	4,995
1978.....	420	12.5	5,250

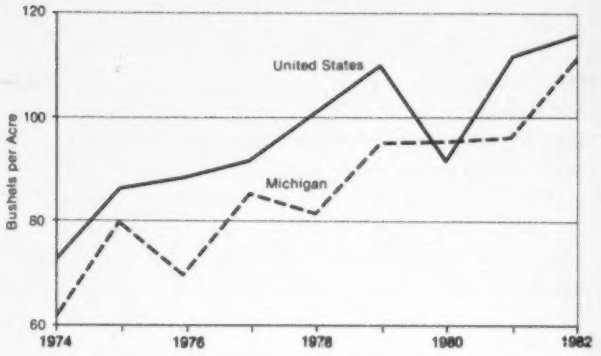
Grain Corn Stocks by Quarter

YEAR	January 1		April 1		June 1		October 1	
	On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm
	000 Bushels							
1983.....	215,166	58,646	153,690	48,040	129,100	47,658	--	--
1982.....	161,424	52,775	120,384	36,145	103,968	27,548	43,776	14,797
1981.....	130,910	47,234	81,510	26,901	61,750	17,458	17,290	8,779
1980.....	142,500	42,376	97,375	27,477	66,875	19,225	16,625	7,707
1979.....	128,304	35,485	83,592	23,736	46,656	16,904	19,440	3,798
1978.....	118,524	33,665	74,078	27,014	52,913	19,744	16,932	5,810

Michigan Corn Acreage



Corn for Grain Yields

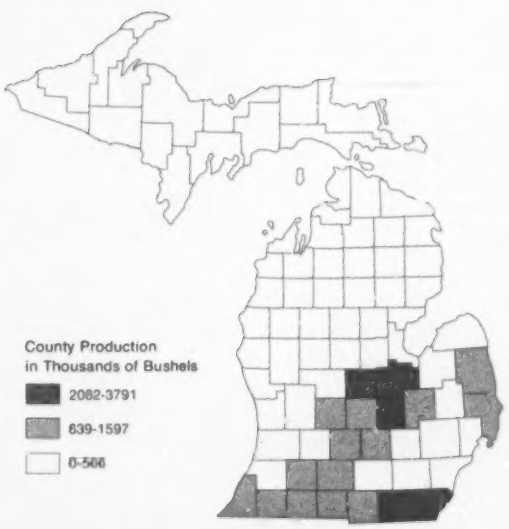


Soybeans

Michigan soybean growers established new records for planted acreage, harvested acreage and production during 1982. Harvested acreage exceeded one million acres for only the second time in the State's history. Production at over 32 million bushels surpassed the previous high established in 1980 by 6 percent. Cool weather in August lowered potential yields to 31 bushels per acre. Favorable weather during October enabled farmers to complete harvest ahead of schedule. A sharp decline in prices caused the value of the 1982 crop to decline 2 percent to 172 million dollars. Michigan soybeans are grown primarily for their oil content; but after crushing, the meal by-product is an excellent source of protein for livestock.

Acreage, Yield, Production

YEAR	Acres Harvested	Yield/ Acre	Production
	000	Bu.	000 Bu.
1982.....	1,040	31	32,240
1981.....	970	30	29,100
1980.....	950	32	30,400
1979.....	1,010	30	30,300
1978.....	900	24	21,600

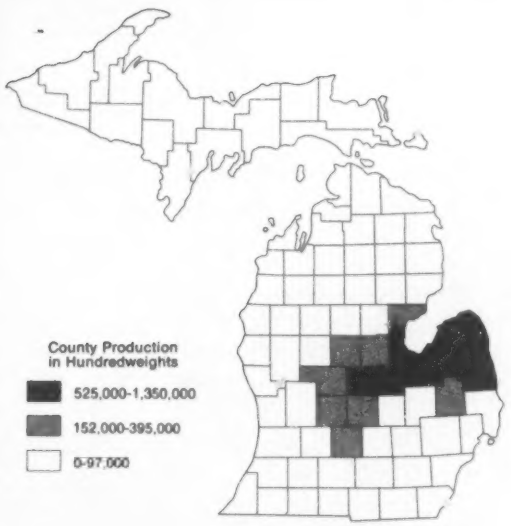


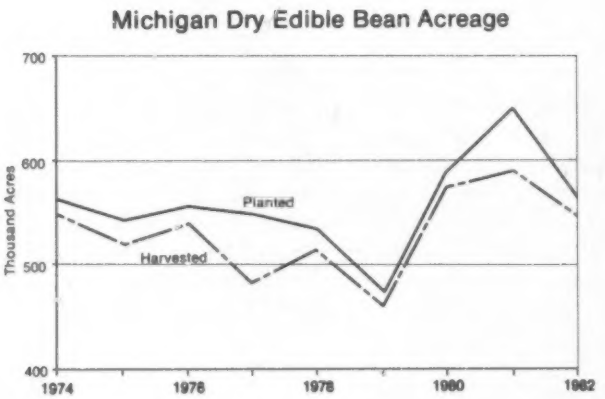
Soybean Stocks by Quarter

YEAR	January 1		April 1		June 1		September 1	
	On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm
	000 Bushels							
1983.....	16,442	7,871	9,672	4,017	5,481	3,925	---	---
1982.....	11,640	6,718	8,148	4,514	4,947	3,169	1,164	885
1981.....	9,120	9,406	7,600	6,567	5,472	4,499	1,216	1,465
1980.....	15,150	9,481	7,272	6,885	5,454	5,223	606	3,111
1979.....	10,800	6,055	5,184	3,701	2,160	1,710	432	455
1978.....	7,400	4,881	4,774	4,394	1,910	2,809	597	430

Dry Beans

Dry beans are an important and valuable sector of Michigan Agriculture. The fertile soils of the Bay-Thumb area are particularly well-suited for bean production. About 30 percent of all dry edible beans in the U.S. and over 80 percent of all navy beans are Michigan grown. Navy beans took the spotlight as the lack of an export market for Black Turtle and Pinto beans dropped colored bean production to pre-1980 levels. Favorable weather during most of September and October enabled growers to harvest an excellent quality crop of beans. Value of production for the 1982 dry bean crop at 91 million dollars was cut in half due to sharply lower prices.





Dry Bean Acreage, Yield, Production

YEAR	Harvested Acres	Yld./Ac. Harvested	Production
	000	Pounds	000 Cwt.
1982.....	550	1,350	7,425
1981.....	590	1,220	7,198
1980.....	570	1,360	7,752
1979.....	460	1,400	6,440
1978.....	520	1,150	5,980

Navy Bean Acreage, Yield, Production

YEAR	Harvested Acres	Yld./Ac. Harvested[1]	Production
	000	Pounds	000 Cwt.
1982.....	455	1,350	6,143
1981.....	370	1,100	4,070
1980.....	370	1,305	4,827
1979.....	375	1,400	5,260
1978.....	444	1,120	4,974

1/ Yield derived.

Dry Bean Production by Kinds

KIND	1982	1981	1980	1979	1978
Navy Beans.	6,143	4,070	4,827	5,260	4,974
Red Kidney.	369	335	390	410	408
Cranberry..	358	320	330	310	361
Pinto.....	120	348	850	112	89
Blk.Turtle.	140	1,990	1,210	165	80
Others.....	295	135	145	183	68
Total.....	7,425	7,198	7,752	6,440	5,980

Hay

Hay is Michigan's second leading field crop in terms of value of production. The 1982 hay crop is valued at over $269 million. Most hay is utilized by livestock producers as a part of their feeding operations, while other farmers sell it as a cash crop. Hay is grown in all areas of the state with alfalfa accounting for over 80 percent of production.

Growing conditions during 1982 were favorable in Southern Michigan but dry weather in Northern areas lowered production potential. Overall, hay yields have improved steadily since 1977 and growers achieved a new record yield in 1982. Total yield for all cuttings (usually three per season) was 3.2 tons per acre. More acreage combined with higher yields pushed production to over 4 million tons.

Source: 1978 Census of Agriculture

Production by Kinds

CROP YEAR	Total	Alfalfa & Alfalfa Mixtures		All Other Kinds	
		Acres	Production	Acres	Production
	000 Tons	000	000 Tons	000	000 Tons
1982	4,379	1,050	3,675	320	704
1981	3,894	1,000	3,300	270	594
1980	3,844	1,020	3,264	290	580
1979	3,833	1,040	3,224	290	609
1978	3,857	1,140	3,306	290	551

Acreage, Yield, Production

YEAR	Acres Harvested	Yield/ Acre	Production
	000	Tons	000 Tons
1982	1,370	3.20	4,379
1981	1,270	3.07	3,894
1980	1,310	2.93	3,844
1979	1,330	2.88	3,833
1978	1,430	2.70	3,857

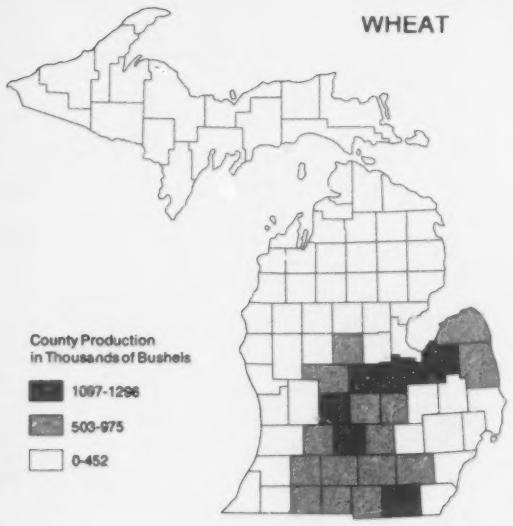
Hay Stocks on Farms

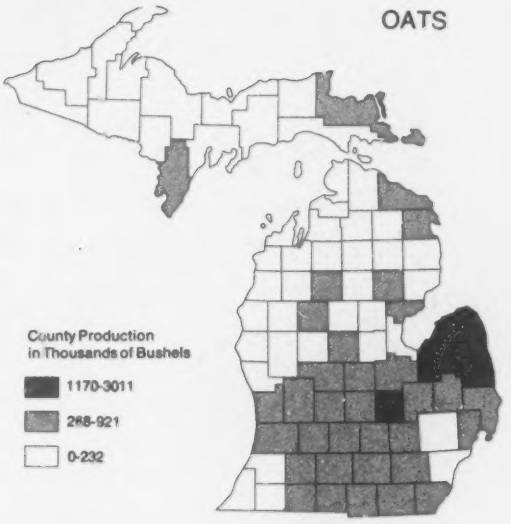
YEAR	January 1	May 1
	000 Tons	
1983	2,540	788
1982	2,220	506
1981	2,306	769
1980	2,491	1,150
1979	2,276	1,003

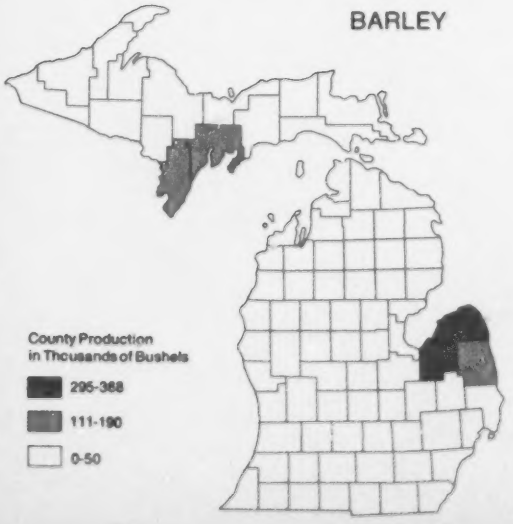
Wheat, Oats, Barley and Rye

Michigan's winter wheat production for 1982 was 41 percent below the previous year and the smallest crop since 1978. Planted acreage was down 17 percent from 1981. Last fall producers in Eastern Michigan were unable to plant all of their intended acreage due to wet fields. Adverse weather during the winter and early spring forced growers to abandon 95,000 acres. This year's crop averaged 41 bushels per acre as yields were sharply reduced by unfavorable weather conditions. Oat production at over 28 million bushels was up 34 percent. The increase was spurred by a larger acreage, plus a record yield of 63 bushels per acre. Barley production at 2 million bushels was up 49 percent from the previous year. The rye crop totaled 638,000 bushels, a 20 percent increase from last year.

Most small grains in Michigan are sold to be used as manufactured food or as livestock feed. Bakeries turn soft white winter wheat into cookies, cakes and breakfast cereals. Barley is used primarily by breweries to make beer. The majority of Michigan rye is seeded as a winter cover crop, while oats are grown mostly for livestock feed.







Wheat Acreage, Yield, Production

YEAR	Acres Harvested	Yield/ Acre	Production
	000	Bu.	000 Bu.
1982.....	600	41	24,600
1981.....	830	50	41,500
1980.....	800	44	35,200
1979.....	735	43	31,605
1978.....	410	40	16,400

Oat Acreage, Yield, Production

YEAR	Acres Harvested	Yield/ Acre	Production
	000	Bu.	000 Bu.
1982.....	450	63	28,350
1981.....	340	62	21,080
1980.....	335	60	20,100
1979.....	310	61	18,910
1978.....	410	57	23,370

Barley Acreage, Yield, Production

YEAR	Acres Harvested	Yield/ Acre	Production
	000	Bu.	000 Bu.
1982.....	36	56	2,016
1981.....	26	52	1,352
1980.....	21	53	1,113
1979.....	20	47	940
1978.....	22	47	1,034

Rye Acreage, Yield, Production

YEAR	Acres Harvested	Yield/ Acre	Production
	000	Bu.	000 Bu.
1982.....	22	29	638
1981.....	19	28	532
1980.....	21	24	504
1979.....	25	25	625
1978.....	25	24	600

Small Grain Stocks by Quarter [1]

CROP	Crop Year	October 1		January 1		April 1		June 1	
		On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm
		000 Bushels							
WHEAT....	1982	3,690	16,130	2,952	10,050	2,214	7,140	--	--
	1981	6,225	15,245	4,565	12,802	2,905	9,585	2,490	6,652
	1980	8,448	22,701	7,392	15,608	2,816	12,659	2,112	7,499
	1979	6,005	14,137	4,741	11,855	2,212	6,026	1,264	3,616
	1978	2,624	14,878	1,968	11,699	820	8,645	656	7,284
OATS....	1982	17,010	6,820	14,175	3,532	7,088	2,397	--	--
	1981	13,070	3,197	10,962	1,846	5,270	1,452	2,108	798
	1980	13,467	3,535	11,457	1,982	5,025	1,341	2,814	906
	1979	13,237	4,903	11,346	2,497	6,619	2,349	3,215	873
	1978	15,658	4,907	12,854	3,525	7,946	2,461	5,375	1,550
BARLEY...	1982	1,512	2/	1,210	2/	645	2/	--	--
	1981	811	2/	541	2/	270	2/	176	2/
	1980	668	2/	501	2/	312	2/	167	2/
	1979	564	2/	423	2/	263	2/	169	2/
	1978	569	2/	414	2/	259	2/	145	2/
RYE....	1982	255	2/	96	2/	64	2/	--	--
	1981	266	10	106	2/	80	2/	27	2/
	1980	302	25	176	6	101	5	50	3
	1979	344	74	231	28	188	20	94	9
	1978	288	110	120	51	90	25	60	19

1/ Includes interior mills, elevators and warehouses, cereal food processing plants, census merchant mills, terminal and C.C.C. bins. 2/ Not published to avoid disclosing individual operations.

WHEAT VARIETY

Soft white winter wheat varieties will account for 77 percent of Michigan's wheat harvest in 1983. Soft red varieties will account for the remaining 23 percent. This data was obtained in May, 1983 in a special survey conducted by the Federal/State-Michigan Agricultural Reporting Service with major funding provided by the Michigan State Millers Association. The percentage of Michigan acreage planted to soft white winter wheat has remained relatively constant during the last 10 years. In a wheat variety survey conducted in 1974, 74.4 percent of the acreage was soft white, while the 1979 survey indicated 74.2 percent was soft white.

Frankenmuth, a soft white variety, is the most popular variety among Michigan farmers this year and accounts for nearly half the State's 1983 harvested acreage. Augusta is the second leading white variety with about 10 percent of the acreage, followed by Yorkstar with about 7 percent.

Arthur is the leading soft red winter wheat variety representing about 7 percent of the acreage. Pioneer S-76 was a close second with about 6 percent of the acreage. Soft white is the most widely grown class of wheat in the Central and Northern areas of the State. However, soft red varieties are more popular in Southeast Michigan.

1983-Michigan Wheat Acreage: Percentage for Harvest by Variety

CLASS & VARIETY	Crop Reporting Districts									STATE	Estimated for Harvest
	1	2	3	4	5	6	7	8	9		
	Percent										Acres
SOFT WHITE WINTER											
Augusta.....	--	--	1.7	--	9.2	14.6	4.8	12.8	1.8	9.5	66,500
Frankenmuth....	100.0	42.2	35.5	93.6	59.6	49.3	61.4	49.6	21.8	47.6	333,200
Frederick.....	--	--	--	--	11.8	6.5	--	3.7	2.2	4.7	32,900
Genesee.....	--	29.4	--	2.4	1.6	1.3	2.4	1.9	2.1	1.8	12,600
Ionia.....	--	5.5	1.7	3.4	1.3	.6	2.1	2.5	--	1.4	9,800
Tecumseh.....	--	--	--	--	3.1	2.5	.7	.9	3.7	2.1	14,700
Yorkstar.....	--	--	44.5	.6	1.9	16.2	--	3.7	.8	6.9	48,300
Other & Unknown 1/	--	22.9	2.2	--	7.1	3.3	.7	1.8	3.4	3.2	22,400
TOTAL.....	100.0	100.0	85.6	100.0	95.6	94.3	72.1	76.9	35.8	77.2	540,400
SOFT RED WINTER											
Arthur.....	--	--	--	--	.4	2.1	5.4	7.4	22.1	7.0	49,000
Abe.....	--	--	--	--	.2	.3	2.1	4.6	6.5	2.7	18,900
Pioneer.....	--	--	6.9	--	1.5	1.5	8.0	5.3	18.0	6.2	43,400
Titan.....	--	--	--	--	--	.3	4.7	4.3	6.7	2.9	20,300
Other & Unknown 1/	--	--	7.5	--	2.3	1.5	7.7	1.5	10.9	4.0	28,000
TOTAL.....	--	--	14.4	--	4.4	5.7	27.9	23.1	64.2	22.8	159,600
STATE (000 Acres)	1.8	7.8	14.0	13.3	73.7	161.0	59.5	217.0	151.9		700,000

1/ Includes minor and unknown varieties

Monthly Farm Marketings

Corn

MONTH	CROP YEAR				
	1981	1980	1979	1978	1977
	Percent				
October	6	15	9	9	10
November	20	21	17	14	20
December	12	10	13	12	15
January	8	12	3	13	13
February	6	5	4	6	10
March	9	6	6	8	8
April	10	7	5	8	4
May	9	10	8	8	4
June	7	4	11	8	7
July	7	3	6	6	4
August	3	3	10	3	2
September	3	4	8	5	3

Soybean

MONTH	CROP YEAR				
	1981	1980	1979	1978	1977
	Percent				
September	5	14	1	0	0
October	15	25	27	18	31
November	20	19	13	9	19
December	9	3	9	6	11
January	9	5	7	3	7
February	5	6	7	5	10
March	8	6	9	18	15
April	12	5	6	16	2
May	7	4	7	10	3
June	4	4	7	11	1
July	3	4	4	2	1
August	3	5	3	2	0

Dry Bean

MONTH	CROP YEAR				
	1981	1980	1979	1978	1977
	Percent				
September	14	23	20	20	14
October	25	26	22	14	17
November	15	11	9	9	12
December	9	8	6	7	9
January	8	7	6	8	6
February	6	6	9	5	7
March	6	7	6	5	7
April	4	3	2	7	6
May	7	4	2	7	5
June	4	3	6	8	7
July	1	1	8	6	5
August	1	1	4	4	5

Wheat

MONTH	CROP YEAR				
	1981	1980	1979	1978	1977
	Percent				
July	41	25	20	19	47
August	24	38	32	25	17
September	10	18	15	30	7
October	4	2	7	4	3
November	2	2	3	1	4
December	3	1	3	3	5
January	3	4	4	4	4
February	2	2	5	1	4
March	5	2	4	2	4
April	2	2	1	4	2
May	3	2	3	3	1
June	1	2	3	4	2

Oats

MONTH	CROP YEAR				
	1981	1980	1979	1978	1977
	Percent				
July	19	9	8	4	15
August	39	46	26	42	35
September	5	7	16	5	7
October	3	3	4	2	3
November	3	3	2	1	3
December	4	4	4	4	3
January	4	6	6	5	11
February	5	5	5	4	7
March	7	6	8	7	5
April	3	4	9	14	5
May	5	4	6	5	4
June	3	3	6	7	2

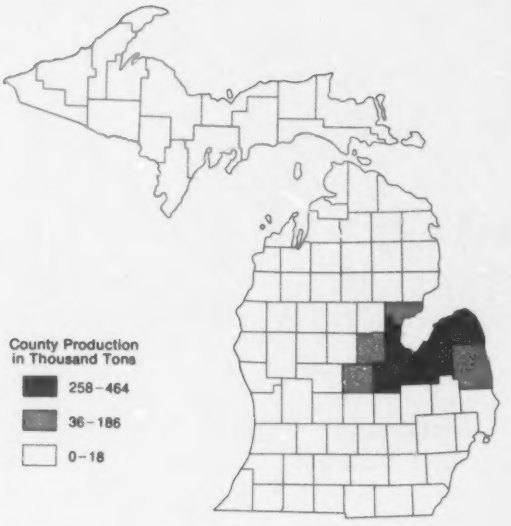
Hay

MONTH	CROP YEAR				
	1981	1980	1979	1978	1977
	Percent				
June	14	12	15	20	23
July	11	8	10	13	10
August	11	9	6	9	10
September	7	5	5	6	6
October	7	5	4	4	5
November	6	4	7	5	5
December	9	12	9	7	7
January	10	10	9	8	7
February	8	7	7	8	10
March	8	11	11	9	9
April	4	9	10	7	4
May	5	6	7	4	4

Sugarbeets

Sugarbeets are grown primarily for their sugar content but can also be used in livestock feeding operations. After the valuable sucrose is extracted from the large beets, the pulp by product is combined with other feed ingredients. Sugarbeets generally contribute more than $50 million yearly to Michigan farm income.

Production during 1982 totaled 1.9 million tons, a decrease of 7 percent from the previous year. The decline was a result of reduced acreage and lower yields. Michigan is the fifth largest producer of sugarbeets in the Nation.



Acreage, Yield, Production

YEAR	Acres Harvested	Yield/ Acre	Production
	000	Tons	000 Tons
1982.....	96.5	19.2	1,835
1981.....	99.0	20.5	2,030
1980.....	97.0	19.5	1,892
1979.....	88.0	17.6	1,550
1978.....	91.5	19.3	1,770

Spearmint

The 1982 growing and harvest season was very favorable for spearmint. The crop totaled 125,000 pounds of oil with a value of nearly $1.8 million. Harvested acreage at 3,900 acres has been fairly stable in recent years.

Most Michigan spearmint goes to processors which produce oil to be further refined for use in such products as gum, medicine, soap and toothpaste. The major producing area is Central Lower Michigan. Michigan ranks fifth Nationwide, in spearmint production.

Acreage, Yield, Production

YEAR	Acres Harvested	Production-Oil Per Acre	Production-Oil Total	Price Rec'd	Value of Prod.
		Lbs.	000 Lbs.	$/Lb.	000 $
1982	3,900	32	125	14.30	1,788
1981	3,800	31	118	15.50	1,829
1980	3,700	29	107	13.70	1,466
1979	3,800	31	118	13.00	1,534
1978	3,600	29	104	12.60	1,310

Potatoes

Potatoes are an important source of revenue for Michigan farmers. Producers earned about $45 million from sales of the 1982 crop. Montcalm and Bay Counties are the leading counties accounting for a third of Michigan's acreage. However, potatoes are grown commercially throughout the State.

Annual production is divided into summer and fall seasons, with the fall season accounting for 84 percent of total 1982 production. The fall crop increased 15 percent as a result of more acreage and higher yields. The summer crop grown primarily in the "Bay-Thumb" area increased 7 percent as a result of higher yields. Michigan ranks eleventh nationwide, in potato production.

Total Acreage, Yield, Production

YEAR	Acres Harvested	Yield/ Acre	Production
	000	Cwt.	000 Cwt.
1982....	40.8	236	9,645
1981....	38.3	222	8,503
1980....	39.8	227	9,022
1979....	40.6	235	9,548
1978....	42.3	235	9,953

Production and Disposition

SEASON	Year	Production	Total Used for Seed[1]	Used on Farm Where Grown		Sold
				For Seed Feed and Household Use	Shrink & Loss	
			000 Cwt.			
SUMMMER.....	1982	1,560	--	--	--	--
	1981	1,453	160	52	151	1,250
	1980	1,619	187	87	49	1,483
	1979	1,548	179	60	38	1,450
	1978	1,453	178	75	73	1,305
FALL.....	1982	8,085	--	--	--	--
	1981	7,050	683	180	900	5,970
	1980	7,403	608	175	725	6,503
	1979	8,000	618	215	752	7,033
	1978	8,500	614	193	913	7,394
TOTAL.....	1982	9,645	--	--	--	--
	1981	8,503	843	232	1,051	7,220
	1980	9,022	795	262	774	7,986
	1979	9,548	797	275	790	8,483
	1978	9,953	792	268	986	8,699

1/ Includes seed purchased and seed used on farms where grown.

Fall Potato Stocks

CROP YEAR	December 1	January 1	February 1	March 1	April 1	May 1
			000 Cwt.			
1982.....	6,400	4,900	3,800	2,700	1,800	1,200
1981.....	5,000	3,900	2,800	2,000	1,200	700
1980.....	4,500	3,300	2,200	1,400	800	400
1979.....	5,400	4,400	3,400	2,400	1,500	700
1978.....	5,900	5,000	4,000	3,000	2,100	1,200

FRUITS

General Information

Michigan is one of the major fruit producing states in the Nation. This is largely due to the moderating influence that Lake Michigan has on the weather. The fruit industry is concentrated along the Western coast of the Lower Peninsula where the "lake effect" is strongest. Cold air passing over the unfrozen lake in the winter is warmed while hot air passing over in the summer is cooled. The moderate climate that results is ideal for fruit production. The "lake effect" during the spring delays fruit tree bloom. This helps to insure that the possibility of freeze damage will be lessened.

Overall production of Michigan's seven major fruit crops during 1982 jumped 51 percent to just under 1.5 billion pounds. Growing conditions were excellent from start to finish. There was no significant damage from spring freezes. Moisture was mainly adequate during the growing season and fall harvest weather was favorable. All of the major fruit crops increased in production over 1981, except prune-plums which were down after a large harvest the previous year. The apple and tart cherry crops turned in near record production performances as both registered the second largest output totals this century. Though total overall production increased 51 percent, the overall value of production was up only 7 percent to $143 million.

Fruit Total Acreage, Production and Value[1]

YEAR	Acres of Bearing Age	Production		Value of Utilized Production	
		Total	Utilized	Average	Total
	000	Million Pounds		$/Cwt	000 $
1982.....	106.3	1,490	1,411	10.15	143,276
1981.....	106.4	985	985	13.56	133,540
1980.....	105.9	1,292	1,291	9.34	120,632
1979.....	105.3	1,032	1,032	13.36	137,864
1978.....	109.9	1,386	1,356	12.66	171,622

1/ Includes apples, peaches, tart cherries, sweet cherries, pears, prunes, plums and grapes.

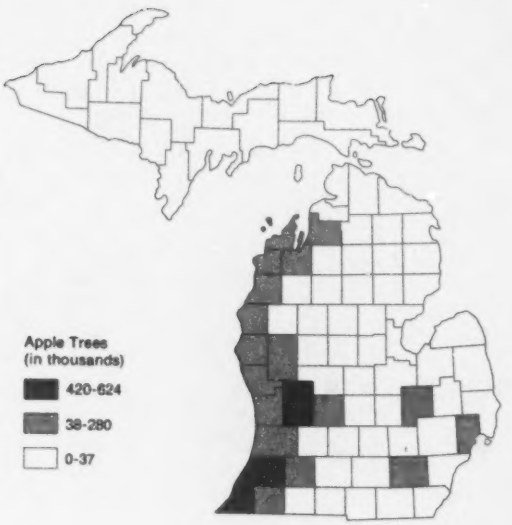
Trees, Acres, Production and Value

FRUIT	YEAR	Trees of Bearing Age		Production		Price Received	Value of Production
		Number	Acres	Total	Utilized		
		000	000	Million Lbs.		$/ Cwt.	000 $
APPLES[1].....	1982	2,750	41.0	950	950	7.90	74,700
	1981	2,750	41.0	660	660	9.10	59,760
	1980	2,750	41.0	900	900	6.20	55,600
	1979	2,700	40.5	680	680	7.80	53,040
	1978	2,800	43.3	920	890	7.60	67,640
TART CHERRIES	1982	2,850	30.0	260	195	13.70	26,805
	1981	2,800	30.0	88	88	46.40	40,788
	1980[2]	2,700	29.4	150	149	20.40	30,396
	1979	2,650	28.2	100	100	48.50	48,500
	1978	2,600	27.7	128	128	44.40	56,832
SWEET CHERRIES	1982	800	9.2	67	55	19.80	10,880
	1981	800	9.3	46	46	18.75	8,635
	1980	800	9.3	58	58	17.70	10,266
	1979	830	9.6	54	54	20.35	10,989
	1978	850	10.2	75	75	22.90	17,175
PEACHES.....	1982	500	5.0	50	50	20.90	10,459
	1981	500	5.0	35	35	19.20	6,734
	1980	500	5.0	40	40	19.20	7,680
	1979	600	5.8	35	35	19.40	6,790
	1978	700	6.9	50	60	16.00	9,600
				Tons		$ per Ton	
GRAPES[3].....	1982	7,000	14	58,500	58,500	259	15,148
	1981	7,000	14	53,000	53,000	252	13,370
	1980	7,000	14	49,500	49,500	240	11,858
	1979	7,000	14	58,500	58,500	237	13,865
	1978	7,000	14	67,500	67,500	223	15,053
PEARS.....	1982	260	2.7	12,000	11,000	220	2,418
	1981	260	2.7	9,000	9,000	224	2,016
	1980	270	2.8	10,000	10,000	223	2,230
	1979	270	2.8	9,000	9,000	198	1,782
	1978	290	3.0	10,000	10,000	201	2,010
PRUNES & PLUMS	1982	410	4.4	11,000	11,000	261	2,866
	1981	410	4.4	16,000	16,000	140	2,237
	1980	410	4.4	12,500	12,500	208	2,602
	1979	410	4.4	14,000	14,000	207	2,898
	1978	450	4.8	24,000	24,000	138	3,312

1/ Commercial 2/ 25 million pounds storm loss not included in final production.
3/ Vines of bearing age.

Apples

Michigan's apple growers produced the States largest crop this century in 1982. Production jumped 44 percent above the previous year. Quality and size were generally very good. The amount of apples in storage was also at a record high level. Value of production was 25 percent above 1981. The majority of the State's crop is processed, with juice & cider being the main utilization. The three leading Michigan apple varieties are Jonathan, Red Delicious and McIntosh.



Trees, Production and Value [1]

YEAR	Trees of Bearing Age	Total Production	Value of Production
	000	Mil. Lbs.	000 $
1982.....	2,750	950	74,700
1981.....	2,750	660	59,760
1980.....	2,750	900	55,600
1979.....	2,700	680	53,040
1978.....	2,800	920	67,640

1/ Commercial.

Production, Utilization and Price

YEAR	Total Production	Fresh Market		Processing		Total Utilization	
		Quantity	Price Per Pound	Quantity	Price Per Pound	Quantity	Price Per Pound
	Mil. Lbs.	Mil. Lbs.	Cents	Mil. Lbs	Cents	Mil. Lbs.	Cents
1982.....	950	1/	1/	1/	1/	950	7.90
1981.....	660	240	13.00	420	6.80	660	9.10
1980.....	900	325	9.50	575	4.25	900	6.20
1979.....	680	235	11.50	445	5.90	680	7.80
1978.....	920	350	11.00	540	5.40	890	7.60

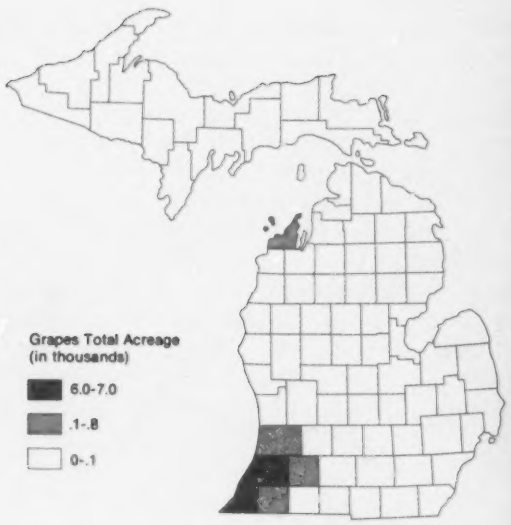
1/ Not available at publication time.

Processing Apple Utilization and Prices

YEAR	Canned		Frozen		Juice & Cider		Other	
	Quantity	Price Per Pound	Quantity	Price Per Pound	Quantity	Price Per Pound	Quantity	Price Per Pound
	Mil. Lbs.	Cents	Mil. Lbs.	Cents	Mil. Lbs.	Cents	Mil. Lbs.	Cents
1981..	103	7.25	98	8.10	216	6.00	3	8.00
1980..	119	5.10	80	5.30	331	3.60	45	4.60
1979..	163	6.70	57	6.50	218	5.10	7	6.10
1978..	148	6.20	122	6.40	237	4.50	33	4.80
1977..	112	6.80	76	7.10	143	4.60	--	--

Grapes

The largest grape crop in 3 years was produced in Michigan in 1982. Production was up 10 percent over the previous year and 18 percent above 1980. Production was good enough to make Michigan the fourth largest producer of grapes Nationally in 1982. This was a notch higher than the previous year. A spring mainly free of freeze damage got the crop off to a good start. The number of bunches increased and berry size was larger. Quality and sugar content were good enough to consider 1982 a vintage year. The concord variety continues to account for 90 percent of Michigan's production. Most of the State's grape crop is processed into juice. A small but significant wine industry however, continues to expand to new areas of the State. Over 95 percent of Michigan's crop is harvested mechanically.



Vines, Acres, Production and Value

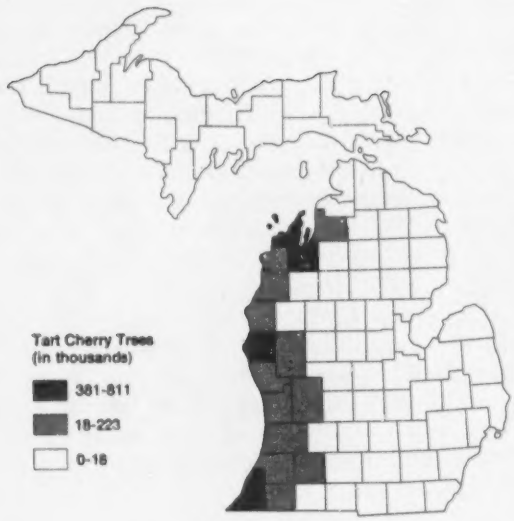
YEAR	Vines of Bearing Age		Production		Price Received	Value of Production
	Number	Acres	Total	Utilized		
	000	000	Tons		$/Ton	000 $
1982	7,000	14	58,500	58,500	259	15,148
1981	7,000	14	53,000	53,000	252	13,370
1980	7,000	14	49,500	49,500	240	11,858
1979	7,000	14	58,500	58,500	237	13,865
1978	7,000	14	67,500	67,500	223	15,053

Production and Utilization

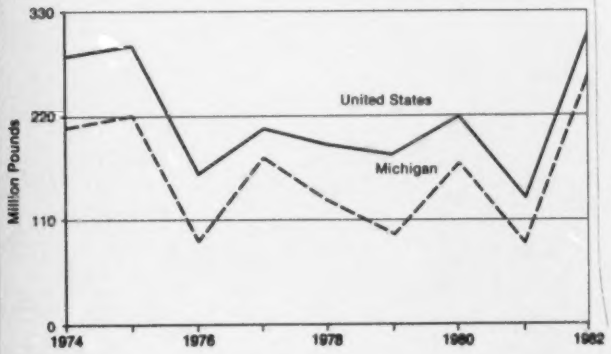
YEAR	Total Production	Utilized Production	Fresh Market Utilization	Processed Utilization	
				Juice	Wine
			Tons		
1982.....	58,500	58,500	2,000	53,500	3,000
1981.....	53,000	53,000	1,600	48,600	2,800
1980.....	49,500	49,500	1,700	44,500	3,300
1979.....	58,500	58,500	2,000	54,600	1,900
1978.....	67,500	67,500	2,100	61,200	4,200

Tart Cherries

Tart cherry production in Michigan for 1982 was nearly triple the previous year's freeze damaged output. This was the State's second largest crop since records were started in 1925. The largest crop, 380 million pounds, was harvested in 1964. Near perfect growing conditions typified by above normal temperatures were persistent from mid-April through the end of May. Rejection of the Cherry Administrative Board's 20 percent set aside recommendation, followed by severe winds in July (before harvest completion) caused 25 percent of the near record crop not to be utilized. Michigan retained its status as the Nation's number one producer accounting for about 84 percent of the Nation's tart cherry output in 1982.



Total Production of Tart Cherries



Production by Region

REGION	1982	1981	1980[1]	1979	1978
	Million Pounds				
Northwest...	137	35	72	53	85
W. Central..	64	24	37	29	26
Southwest...	57	28	39	17	15
Other.....	2	1	2	1	2
State Totals	260	88	150	100	128

1/ 25 million pounds storm loss not included in production.

Trees, Acres, Production and Value

YEAR	Trees of Bearing Age		Production		Price Received	Value of Production
	Number	Acres	Total	Utilized		
	000	000	Million Pounds		$/Cwt.	000 $
1982.....	2,850	30.0	260	195	13.70	26,805
1981.....	2,800	30.0	88	88	46.40	40,788
1980[1]....	2,700	29.4	150	149	20.40	30,369
1979.....	2,650	28.2	100	100	48.50	48,500
1978.....	2,600	27.7	128	128	44.40	56,832

1/ 25 million pounds storm loss not included in total production.

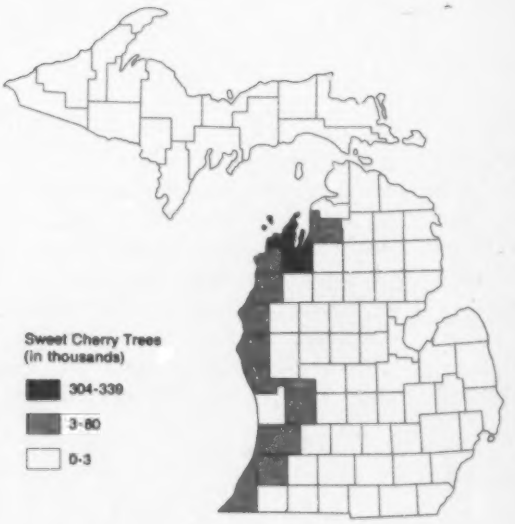
Tart Cherries Utilization and Production

YEAR	Total Production	Utilized Production	Utilization of Sales			
			Fresh Market	Processed		
				Canned	Frozen	Other
	Million Pounds					
1982.....	260	195	5	55	132	3
1981.....	88	88	2	27	58	1
1980[1].....	150	149	4	52	91	2
1979.....	100	100	2	29	68	1
1978.....	128	128	3	34	90	1

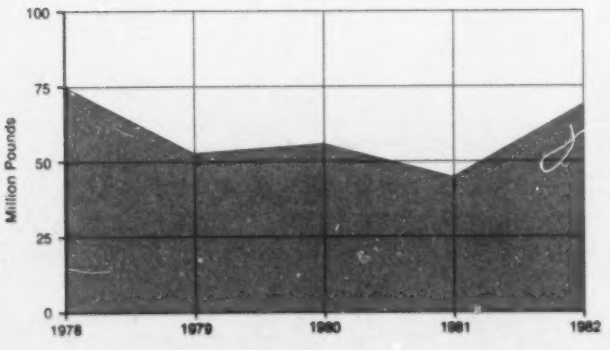
1/ 25 million pounds storm loss not included in total production.

Sweet Cherries

Michigan's sweet cherry growers produced a 1982 crop 46 percent larger than the previous year. Above normal spring temperatures kept freeze damage to a minimum. An estimated 18 percent of the crop was not marketed due to wind damaged cherries and weak market demand. Michigan moved up a notch displacing California as the third largest sweet cherry producing State in the Nation for 1982.



Sweet Cherry Production



Production and Utilization

YEAR	Total Production	Utilized Production	
		Fresh	Processed
	Million Pounds		
1982....	67[1]	4	51
1981....	46	3	43
1980....	58	4	54
1979....	54	3	51
1978....	75	4	71

1/ Total production includes unutilized production of 12 million Lbs.(9 million Lbs. unharvested, 3 million Lbs. harvested not sold.)

Peaches

An excellent crop of peaches was harvested in Michigan in 1982. Production rose 43 percent over 1981. With many of the important peach growing areas in the Nation suffering severe freeze damage, demand for Michigan's peaches was exceptional. Prices reflected this situation as the value of Michigan's crop was 55 percent higher than the previous year. Michigan improved its ranking among peach producing States as it displaced North Carolina as the Nation's sixth leading producer.

Prunes and Plums

Prune-Plum production in Michigan in 1982 was down substantially from the excellent harvest of 1981. The 31 percent production decline was a result of significant winter injury and poor pollination during the spring. Michigan was the Nation's third leading producer of prunes-plums in 1982. Michigan's acreage has been shifting from Southwest Michigan to the Grand Traverse-Leelanau area in Northwest Michigan.

Production and Utilization

YEAR	Total Production	Utilized Production	
		Fresh	Processed
	Tons		
1982....	11,000	6,700	4,300
1981....	16,000	7,400	8,600
1980....	12,500	5,600	6,900
1979....	14,000	7,400	6,600
1978....	24,000	9,400	14,600

Pears

Pear production in Michigan in 1982 was up a third over the previous year. Growers harvested a crop of good quality and size. Michigan retained its position as the fifth leading pear producing State in the Nation in 1982. Most of the orchards are located in the western part of the State. Bartletts are the dominant variety.

Vegetables

Michigan vegetable growers produced over 12 million hundredweight of fresh market and processing vegetables in 1982. This represents an increase of 25 percent from the 1981 crop. The driving forces behind the larger production were more acres for harvest and better yields for most crops. All commodities showed production increases from last year with the exception of onions. Some onion growing regions were plagued with hot humid weather in mid-August causing reduced size and lowering overall yields.

This year's vegetables are valued close to 89 million dollars down 4 percent from 1981. Carrots, celery, onions, strawberries and tomatoes contributed the majority of vegetable income to Michigan growers. Quality of this year's vegetables was generally above average.

Total Vegetable Acreage, Production and Value [1]

YEAR	Acres Planted	Acres Harvested	Production	Value
			000 Cwt.	000 $
1982.....	65,100	62,500	12,178	88,928
1981.....	59,500	56,100	9,774	92,235
1980.....	59,300	55,300	8,301	81,667

1/ Includes carrots, cauliflower, celery, sweet corn, lettuce, onions, strawberries, tomatoes; processing snap beans and green peas.

Dual Purpose Vegetable Disposition and Value [1]

Crop	Year	Fresh Market			Processing		
		Production	Price Rec'd	Value of Production	Production	Price Rec'd	Production
		000 Cwt.	$/Cwt.	000 $	Tons	$/Ton	000 $
Carrots.....	1982	1,092	10.40	11,357	30,860	52.50	1,620
	1981	830	13.50	11,205	24,300	49.50	1,203
	1980	880	16.30	14,371	22,980	58.00	1,333
	1979	1,129	10.70	12,104	29,200	44.50	1,299
	1978	1,088	13.20	14,341	26,300	49.10	1,291
Strawberries	1982	173	55.00	9,515	2,150	912.00	1,961
	1981	137	49.20	6,740	1,950	798.00	1,556
	1980	137	51.10	7,001	1,950	696.00	1,357
	1979	143	56.10	8,022	2,650	762.00	2,019
	1978	140	42.00	5,880	3,500	598.00	2,093

1/ Disposition data not publishable for Cauliflower and Celery.

Dual Purpose Vegetable Acreage, Production and Value

Crop	Year	Acres		Production		Price	Value of
		Planted	Harvested	Per Acre	Total	Rec'd	Production
				Cwt.	000 Cwt.	$/Cwt.	000 $
Carrots.....	1982	7,500	6,700	255	1,709	7.59	12,977
	1981	7,000	5,600	235	1,316	9.43	12,408
	1980	6,800	5,600	239	1,340	11.70	15,704
	1979	6,700	6,600	260	1,713	7.82	13,403
	1978	6,500	6,100	265	1,614	9.69	15,632
Cauliflower....	1982	1,300	1,200	58	70	28.70	2,009
	1981	1,200	1,000	62	62	37.90	2,350
	1980	1,200	1,000	50	50	36.50	1,824
	1979	1,200	1,100	70	77	27.70	2,132
	1978	1,200	1,100	50	55	28.50	1,567
Celery.....	1982	3,500	3,300	470	1,551	10.60	16,400
	1981	3,400	3,200	450	1,440	11.00	15,784
	1980	3,200	3,100	447	1,387	9.29	12,890
	1979	2,700	2,600	443	1,153	9.52	10,982
	1978	2,600	2,300	407	936	14.10	13,197
Strawberries...	1982	2,800	2,700	80	216	53.10	11,476
	1981	2,800	2,700	65	176	47.10	8,296
	1980	2,800	2,700	65	176	47.50	8,358
	1979	2,900	2,800	70	196	51.20	10,041
	1978	2,900	2,800	75	210	38.00	7,973

Processing Vegetable Acreage, Production and Value[1]

Crop	Year	Acres		Production		Price	Value of
		Planted	Harvested	Per Acre	Total	Rec'd	Production
				Tons		$/Ton	000 $
Snap Beans.....	1982	14,600	14,200	2.58	36,640	145.00	5,313
	1981	14,600	14,300	2.53	36,180	160.00	5,789
	1980	14,600	13,700	2.80	38,360	156.00	5,984
	1979	17,600	17,300	2.08	35,980	162.00	5,829
	1978	18,000	16,400	2.10	34,450	148.00	5,099
Tomatoes.....	1982	9,800	9,700	21.10	204,670	92.60	18,952
	1981	6,400	6,200	19.08	118,300	86.00	10,174
	1980	6,100	6,000	12.28	73,680	72.90	5,371
	1979	5,700	5,600	18.11	101,420	68.30	6,927
	1978	4,600	4,500	18.04	81,200	67.30	5,465

1/. Green Peas estimated but not published to avoid disclosure of individual operations.

Fresh Market Vegetable Acreage, Production, Value

Crop	Year	Acres		Production		Price Rec'd	Value of Production[1]
		Planted	Harvested	Per Acre	Total		
				Cwt.	000 Cwt.	$/Cwt.	000 $
Corn, Sweet.....	1982	12,500	12,200	66	805	8.81	7,092
	1981	12,000	11,500	61	702	9.84	6,908
	1980	11,700	11,500	67	771	8.92	6,877
	1979	11,700	11,500	58	667	8.28	5,523
	1978	12,000	11,700	60	702	9.28	6,515
Lettuce.....	1982	1,600	1,500	250	375	13.80	5,175
	1981	1,400	1,200	215	258	22.00	5,676
	1980	1,600	1,200	210	252	19.30	4,864
	1979	1,500	1,400	200	280	22.00	6,160
	1978	1,500	1,300	220	286	13.70	3,918
Onions.....	1982	7,500	7,300	320	2,336	6.23	12,043
	1981	7,500	7,300	335	2,446	10.70	22,898
	1980	7,500	7,200	250	1,800	13.20	18,480
	1979	8,000	7,900	340	2,686	4.69	10,506
	1978	8,200	7,900	340	2,686	5.77	12,983
Tomatoes.....	1982	3,800	3,500	115	403	19.60	7,899
	1981	3,600	3,400	115	391	24.50	9,580
	1980	3,700	3,400	110	374	24.50	9,163
	1979	3,600	3,400	120	408	25.10	10,241
	1978	3,900	3,600	105	378	18.70	7,069

1/ For onions-Value of sales.

Mushrooms

Mushroom production in Michigan declined during the July 1, 1981-June 30, 1982 fiscal year. Stiff competition from foreign imports left the State with fewer growers than in the previous fiscal year. This caused a sharp decline in the amount of square footage put into production. Michigan's mushrooms are grown in specially built mushroom houses where humidity and temperature are carefully controlled year-round. The available square footage can be filled three or more times during the year to account for the total area in production. Though production declined, the average yield was actually 25 percent higher than the previous fiscal year. Michigan is the Nation's third ranking mushroom producing State.

Area, Production and Value

YEAR	Total Area in Production	Production	Price per Pound	Value of Production
	000 Sq. Ft.	000 Lbs.	Cents	000 $
1981-82	5,292	19,044	70.6	13,436
1980-81	7,363	21,221	76.9	16,324

LIVESTOCK AND POULTRY

General Information

Livestock and associated products are a key part of Michigan's agricultural economy. Livestock cash receipts increased 2 percent during 1982 and accounted for 41 percent of Michigan's total farm cash receipts.

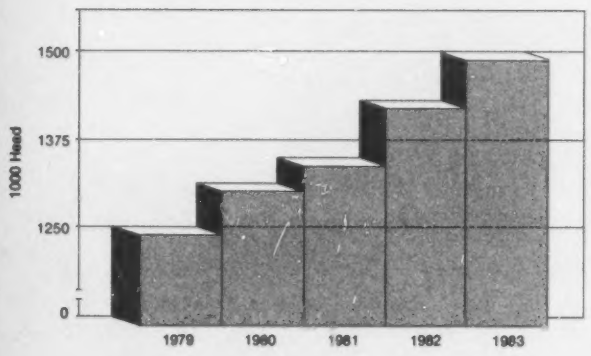
Dairying remains the largest farming enterprise, accounting for one-fourth of the State's farm cash receipts. Nationally, Michigan is ranked sixth in dairy cows and milk production.

Hog production prospered during 1982. Average hog prices increased 20 percent over 1981 levels and the annual average price of $52.50 per cwt. set a new record. Average market prices for barrows and gilts topped $60.00 per cwt. during August and September. In response to higher prices, hog numbers began to increase as 1982's year-end inventory rose 10 percent from the previous year. Michigan's cattle inventory increased 3 percent during 1982. Average cattle and calf prices declined in 1982, but a large increase in marketings offset the lower prices and boosted cattle cash receipts 28 percent above the depressed 1981 level. Sheep inventory numbers declined sharply and marketings showed a large increase. Sheep and lamb cash receipts rose 16 percent from the depressed 1981 level.

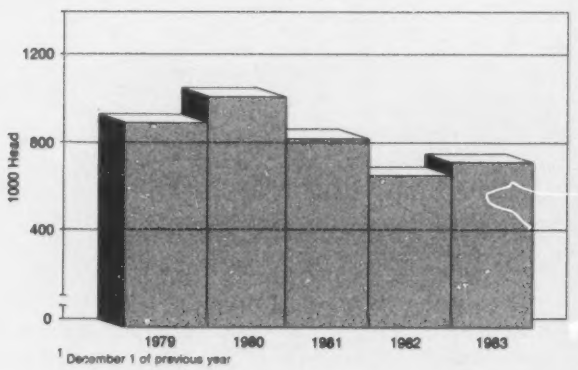
Cash receipts from poultry and egg production declined 10 percent during 1982. Egg production is Michigan's leading poultry enterprise and receipts fell 7 percent during 1982. Egg production was down due to a 5 percent drop in the laying flock inventory. Turkey production declined during 1982, resulting in a 10 percent drop in cash receipts. Broiler cash receipts dropped 12 percent.

Livestock Numbers on Michigan Farms, January 1

Cattle and Calves

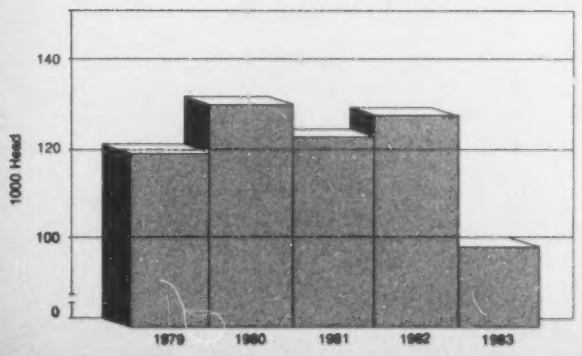


Hogs[1]

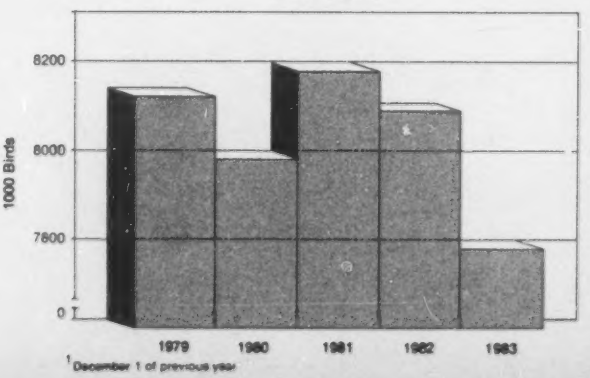


[1] December 1 of previous year

Sheep and Lambs



Chickens[1]



[1] December 1 of previous year

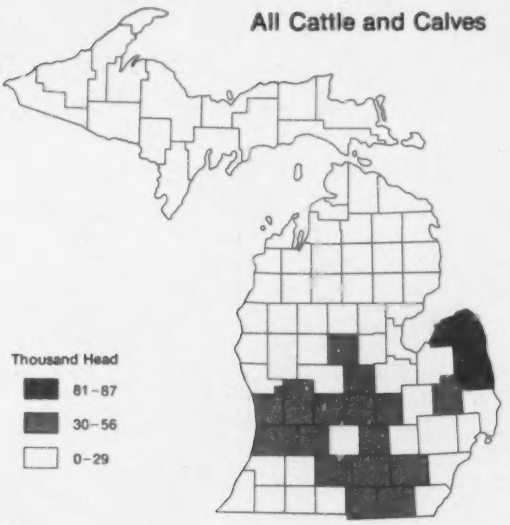
Number and Value of Livestock and Poultry, January 1

SPECIES & YEAR	Michigan			United States		
	Number	Value Per Head or Bird	Total Value	Number	Value Per Head or Bird	Total Value
	000	Dollars	000 $	000	Dollars	000 $
ALL CATTLE & CALVES						
1983	1,500	540.00	810,000	115,201	406.00	46,749,210
1982	1,450	580.00	841,000	115,604	415.00	47,966,517
1981	1,340	660.00	884,400	114,321	475.00	54,292,044
1980	1,310	640.00	838,400	111,192	502.00	55,831,294
1979	1,250	500.00	625,000	110,864	403.00	44,697,773
ALL HOGS (Including Pigs)[1]						
1983	760	87.00	66,120	53,230	89.90	4,783,560
1982	690	73.00	50,370	58,688	70.10	4,113,725
1981	830	79.50	65,985	64,512	74.70	4,820,793
1980	1,040	59.00	61,360	67,353	56.10	3,774,920
1979	925	84.00	68,040	60,100	83.30	5,004,269
ALL SHEEP & LAMBS						
1983	100	58.00	5,800	11,904	51.70	615,691
1982	130	64.00	8,320	12,966	56.90	737,777
1981	124	75.00	9,300	12,936	69.80	903,332
1980	132	68.00	8,976	12,687	78.20	992,127
1979	121	55.00	6,655	12,220	71.70	875,927
ALL CHICKENS[1]						
1983	7,800	1.45	11,310	378,509	1.85	701,273
1982	8,100	1.50	12,150	384,838	1.89	727,188
1981	8,200	1.35	11,070	392,110	1.88	738,646
1980	8,000	1.45	11,600	400,585	1.81	726,365
1979	8,140	1.55	12,617	396,933	1.75	696,019
TURKEYS-Breeder Hens[1]						
1983	45	14.00	630	3,429	14.60	50,053
1982	50	12.00	600	3,514	15.35	53,962
1981	52	18.00	936	3,749	14.11	52,887
1980	44	13.00	572	3,705	13.58	50,304
1979	40	16.00	640	3,370	12.53	42,222
TOTAL VALUE-ALL SPECIES						
1983	—	—	893,860	—	—	52,899,787
1982	—	—	912,440	—	—	53,599,169
1981	—	—	971,691	—	—	60,867,702
1980	—	—	920,908	—	—	61,375,010
1979	—	—	712,952	—	—	51,316,210

1/ December 1 of previous year.

Cattle and Calves

The buildup phase of the cattle cycle continued in Michigan during 1982, but the rate of increase slowed considerably. Cattle numbers rose 3 percent to 1,500,000 head on January 1, 1983. Beef cow numbers increased slightly while milk cows rose 1 percent. Dairy replacement heifers declined 4 percent, but beef cow replacement heifers showed a large increase. The calf inventory increased 6 percent. Cattle on feed for slaughter climbed 11 percent. Although cattle and calf marketings increased during 1982, average market prices declined. However, the higher volume marketed led to a 28 percent boost in cattle cash receipts for 1982.



Number on Farms by Class, January 1

CLASS	1983	1982	1981	1980	1979
			000 Head		
Cows and Heifers that Calved....	615	610	530	540	540
Beef Cows.....	215	214	140	140	138
Milk Cows.....	400	396	390	400	402
Heifers, 500 Pounds and Over....	275	254	260	257	223
For Beef Cow replacement.....	52	35	36	25	19
For Milk Cow replacement.....	171	179	174	193	149
Other Heifers.....	52	40	50	39	55
Steers,500 Pounds plus.....	188	190	177	181	187
Bulls, 500 Pounds plus.....	24	20	19	22	19
Calves, less than 500 Pounds....	398	376	354	310	281
All Cattle and Calves.....	1,500	1,450	1,340	1,310	1,250
Number of Cattle Operations.....	32,000	33,000	32,000	32,000	33,000

Balance Sheet

YEAR	On Hand Jan. 1, All Cattle & Calves*	Calves Born	Inship-ments	Marketings		Farm Slaughter	Deaths	
				Cattle	Calves	Cattle & Calves	Cattle	Calves
					000 Head			
1982...	1,450	550	135	444	56	11	34	90
1981...	1,340	500	110	332	40	8	30	90
1980...	1,310	475	121	395	56	6	32	77
1979...	1,250	470	91	307	82	10	25	77
1978...	1,470	510	72	602	80	9	30	81

*For ending inventory see all Cattle & Calves shown in above table.

Production and Income

YEAR	Production[1]	Marketings[2]	Average Price per 100 Pounds		Value of Production	Cash Receipts[3]	Value of Home Consumption	Gross Income
	000 Pounds		Dollars		000 Dollars		000 Dollars	
			Cattle	Calves				
1982...	472,800	486,330	48.00	57.20	223,848	234,484	18,835	235,319
1981...	431,540	367,260	49.50	65.20	216,348	183,207	16,338	199,545
1980...	393,420	454,355	55.90	82.50	227,471	257,567	11,334	268,901
1979...	356,865	349,410	58.20	86.60	215,754	208,565	17,593	226,158
1978...	502,195	688,375	44.20	61.60	221,997	306,805	11,545	318,350

1/ Adjustments made for changes in inventory and for inshipments.
2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the state. 3/ Receipts from marketings and sale of farm slaughter.

Feedlots and Cattle on Feed for Slaughter[1]

YEAR	Number of Feedlots[2]	January 1	April 1	July 1	October 1	Total Marketed
1983.....	--	150	--	--	--	--
1982.....	--	135	--	--	--	--
1981.....	1,300	160	145	125	120	197
1980.....	1,400	165	150	155	130	218
1979.....	1,500	180	165	145	130	219

1/ Estimates changed from quarterly to annual during 1982.
2/ Estimates discontinued effective 1982.

Commercial Slaughter

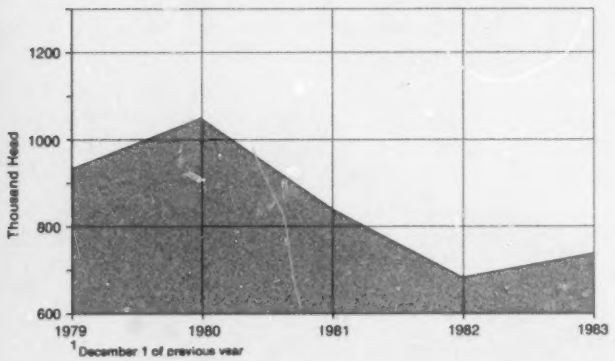
YEAR/ QUARTER	Cattle			Calves		
	Head	Liveweight		Head	Liveweight	
		Per Head	Total		Per Head	Total
	000	Lbs.	000 Lbs.	000	Lbs.	000 Lbs.
1982						
Jan.- Mar.	124.4	1,185	147,360	20.7	250	5,175
Apr.- Jun.	132.4	1,176	155,702	16.8	246	4,148
Jul.- Sep.	147.8	1,161	171,669	17.0	218	3,699
Oct.- Dec.	150.2	1,154	173,332	19.3	222	4,294
1982[1].....	555	1,168	648,062	74	234	17,316
1981.....	503	1,198	602,668	80	254	20,425
1980.....	465	1,173	545,401	76	255	19,479
1979.....	475	1,165	553,259	82	234	19,104
1978.....	627	1,143	716,127	101	184	18,530

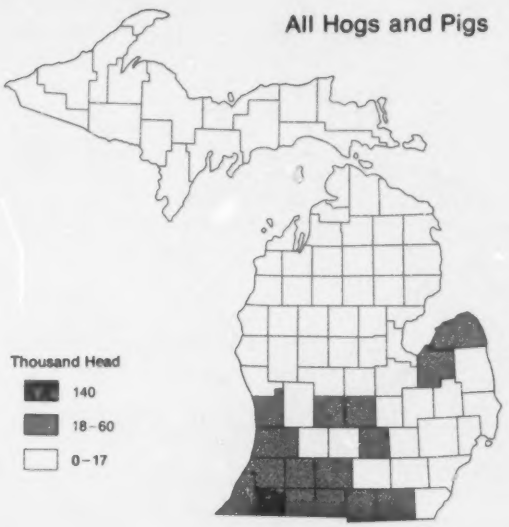
1/ Quarters may not add exactly to annual totals because of rounding.

Hogs

The sharp two year decline in Michigan hog numbers came to an end during 1982. The state's December 1, 1982, inventory of 760,000 hogs and pigs was up 10 percent from a year earlier. A 20 percent increase in hog prices from 1981 to 1982 contributed to the expansion in hog numbers. However, the higher hog prices were partially offset by continued high interest rates and high operating costs. Breeding hogs (sows, gilts, and boars) numbers increased 21 percent from December 1981 levels, indicating potential for further expansion of hog numbers into 1983. Market hog numbers rose 8 percent from a year earlier. The fall 1982 pig crop increased 12 percent as higher farrowings offset a slight drop in litter size.

All Hogs and Pigs on Michigan Farms [1]





Number on Farms by Class and Number of Operations

CLASS	1982 1/	1981		1980		1979		1978	
	Dec. 1	Dec. 1	June 1	Dec. 1	June 1	Dec. 1	June 1	Dec. 1	June 1
	000 Head								
Breeding Hogs....	127	105	129	120	162	161	180	158	120
Market Hogs.....	633	585	651	710	738	879	720	767	510
All Hogs.....	760	690	780	830	900	1,040	900	925	630
Number of Hog Operations...	8,500	9,200		9,600		9,600		9,600	

1/ June 1 estimates discontinued.

Pig Crop

YEAR	Spring			Fall		
	Sows Farrowed	Pigs Per Litter	Pig Crop	Sows Farrowed	Pigs Per Litter	Pig Crop
	000 Head	Head	000 Head		Head	000 Head
1982.....	85	7.5	638	86	7.3	628
1981.....	86	7.7	662	75	7.5	563
1980.....	112	6.9	773	95	6.8	646
1979.....	104	7.0	728	115	6.9	794
1978.....	78	7.0	546	90	7.4	666

Balance Sheet

YEAR	Beginning Inventory	Pigs Saved		Inshipments	Marketings[1]	Farm Slaughter[2]	Deaths	Number on Hand Dec. 1
		Spring	Fall					
	000 Head							
1982....	690	638	628	53	1,109	15	125	760
1981....	830	662	563	64	1,291	18	120	690
1980....	1,040	773	646	63	1,523	19	150	830
1979....	925	728	794	55	1,312	20	130	1,040
1978....	640	546	622	43	892	19	130	925

1/ Excludes interfarm sales within the State.
2/ Excludes custom slaughter for farmers at commercial establishments.

Production and Income

YEAR	Production[1]	Marketings[2]	Average Price Per 100 Pounds	Value of Production	Cash Receipts[3]	Value of Home Consumption	Gross Income
	000 Pounds		$	000 Dollars			
1982...	275,835	257,533	52.50	144,416	136,111	3,780	139,891
1981...	288,235	293,625	43.70	125,441	129,020	5,664	134,684
1980...	331,304	347,775	38.80	128,138	135,678	5,308	140,986
1979...	306,997	286,470	42.90	132,029	124,490	5,847	130,337
1978...	236,376	202,602	47.60	112,514	96,439	6,105	102,544

1/ Adjustments made for changes in inventory and for inshipments.
2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the state. 3/ Receipts from marketings and sale of farm slaughter. Includes allowance for higher average price of outshipments of feeder pigs.

Commercial Slaughter

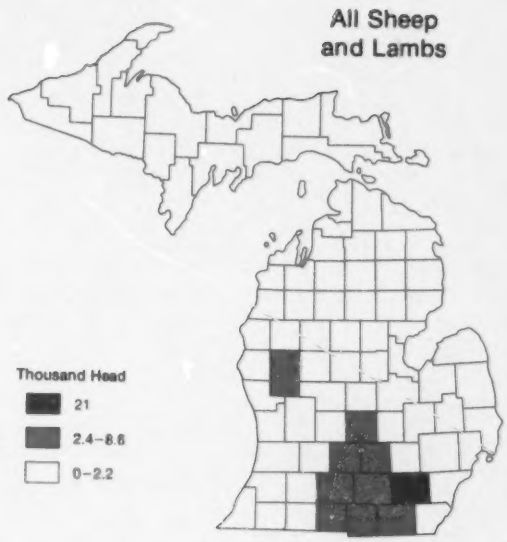
YEAR & QUARTER[1]	Head	Liveweight	
		Per Head	Total
	000	Lbs.	000 Lbs.
1982			
Jan - Mar....	1,438.8	239	343,594
Apr - Jun....	1,328.4	241	319,876
Jul - Sep....	1,195.6	243	290,278
Oct - Dec....	1,256.6	244	306,811
1982[2].....	5,219	242	1,260,560
1981.....	5,521	239	1,321,221
1980.....	4,678	241	1,125,724
1979.....	4,926	239	1,178,078
1978.....	4,262	238	1,012,861

1/ Estimates on quarterly basis during 1982. 2/ Quarters may not add exactly to annual totals because of rounding.

Sheep and Lambs

Michigan sheep numbers declined sharply during 1982. The January 1, 1983 inventory of 100,000 head is the lowest number on record since estimates started in 1867. The 1982 lamb crop was down 15,000 animals from a year earlier. Michigan sheep numbers are concentrated in South Central and Southeast Michigan. Washtenaw County with 21,000 head had the largest number of sheep of any county in the State.

Sheep and lamb marketings, at 9.5 million pounds, increased 33 percent from 1981. Slaughter sheep prices declined in 1982 while market lamb prices increased slightly from the depressed 1981 levels. Sheep and lamb cash receipts increased 16 percent due to the higher volume marketed. Wool production dropped 8 percent in 1982. Wool prices fell $.26 to an average of only $.44 per pound in 1982.



Number on Farms by Class, January 1

CLASS	1983	1982	1981	1980	1979
			000 Head		
Ewe Lambs	12	16	15	16	14
Wether and Ram Lambs	3	4	4	3	3
Ewes, 1 year plus	68	83	80	82	75
Rams and Wethers, 1 year plus	2	3	3	3	3
Total Stock Sheep	85	106	102	104	95
Sheep and Lambs on Feed	15	24	22	28	26
All Sheep and Lambs	100	130	124	132	121

Balance Sheet

YEAR	On Hand Jan. 1, All Sheep & Lambs*	Lambs Saved	In-shipments	Marketings		Farm Slaughter	Deaths	
				Sheep	Lambs		Sheep	Lambs
				000 Head				
1982....	130	80	2	30	61	2	6	13
1981....	124	95	1	10	61	2	6	11
1980....	132	100	3	18	77	1	5	10
1979....	121	90	1	3	61	1	5	10
1978....	138	103	1	20	78	1	10	12

* For ending inventory see all Sheep & Lambs in above table.

Production and Income

YEAR	Production[1]	Marketings[2]	Average Price per 100 lbs.		Value of Production	Cash Receipts[3]	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	000 Lbs.		Dollars		000 Dollars			
1982.....	6,335	9,536	18.50	54.50	2,927	3,851	269	4,120
1981.....	8,140	7,183	19.80	51.90	3,693	3,332	178	3,510
1980.....	8,955	9,849	27.90	63.20	5,058	5,439	108	5,547
1979.....	7,905	6,394	28.00	66.60	4,651	4,116	114	4,230
1978.....	8,045	10,227	20.30	62.10	4,802	5,321	83	5,404

1/ Adjustments made for changes in inventory and for inshipments.
2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the state. 3/ Receipts from marketings and sale of farm slaughter.

Lamb Crop

YEAR	Breeding Ewes 1 Yr.+ January 1	Lambs Saved per 100 Ewes 1 Yr.+	Lamb Crop
	000 Head	Head	000 Head
1982....	83	96	80
1981....	80	119	95
1980....	82	122	100
1979....	75	120	90
1978....	88	117	103

Commercial Slaughter

YEAR/QUARTER	Head	Liveweight	
		Per Head	Total
	000	Lbs.	000 Lbs.
1982			
Jan-Mar....	65.9	111	7,327
Apr-Jun....	76.1	108	8,250
Jul-Sep....	89.5	108	9,671
Oct-Dec....	83.0	110	9,147
1982[1].....	315	109	34,395
1981.....	290	109	31,574
1980.....	297	109	32,291
1979.....	264	110	29,010
1978.....	294	109	32,145

1/ Quarters may not add exactly to annual totals because of rounding.

Wool Production and Income

YEAR	Sheep and Lambs January 1	Number Sheep Shorn	Weight Per Fleece	Production	Price Per Pound	Cash Income
	000 Head		Lbs.	000 Lbs.	Cents	000 Dollars
1982.....	130	111	7.8	865	44	381
1981.....	124	125	7.6	945	70	662
1980.....	132	122	7.8	950	74	703
1979.....	121	118	7.9	934	73	682
1978.....	138	128	8.1	1,040	67	697

Mink

Over half of Michigan's mink are raised in the Upper Peninsula, where the climate is ideally suited for fur production. Nearly a fourth of the State's mink ranches are located in Delta and Menominee Counties. In 1982, mink ranches produced 144,000 pelts. This was the largest pelt output in Michigan since 1970. Nearly 41,000 females were bred in 1982 to produce kits in 1983. Michigan ranked tenth Nationally in 1982 pelt production.

Number of Ranches and Pelt Production by Color Class

YEAR	Mink Ranches	Pelt Production by Color Class							Female Bred to Produce Kits in Next Year
		Standard	Pastel	Violet	Pearl	White	Other	Total	
	Number	000 Pelts							000 Females
1982....	50	58.3	22.8	5.5	11.5	9.1	36.8	144	40.7
1981[1]...	--	--	--	--	--	--	--	--	--
1980....	48	55.2	18.1	9.2	7.8	8.4	30.3	129	39.1
1979....	48	47.8	18.7	12.8	8.6	9.5	26.6	124	35.8
1978....	45	39.5	27.9	9.4	10.3	9.4	16.5	113	34.5

1/ Data not available for 1981.

Poultry

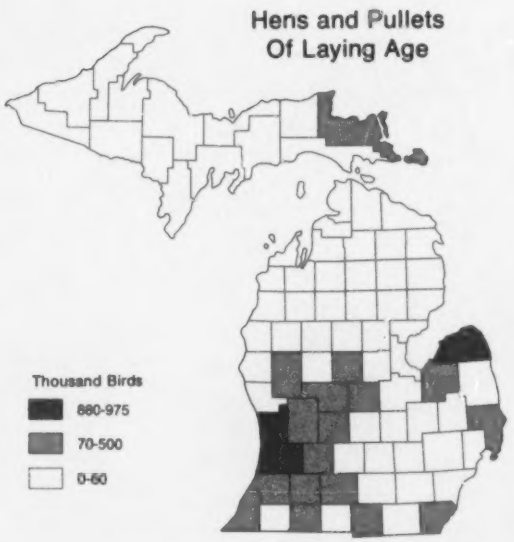
Michigan's December 1, 1982 chicken inventory, was down 4 percent from a year earlier. The size of the State's laying flock is the lowest in recent history. Cash receipts from egg production fell 7 percent in 1982. Despite this drop, egg production remains Michigan's dominant poultry enterprise with 1982 cash receipts at $64 million. Michigan's egg production is concentrated in the Thumb and Western part of the Lower Peninsula.

Turkey production in Michigan at 36.4 million live-weight pounds was down 10 percent from the record 1981 level. Average prices held steady, resulting in gross receipts from turkeys of just under $15 million. The Michigan's commercial broiler production rose 4 percent to 4.7 million pounds. However, average prices received by producers dropped to 27 cents per pound. Gross receipts from broilers in 1982 fell 12 percent to $1.3 million.

Chickens: Average Number of Layers on Hand

MONTH	1982[1]	1981	1980
		000 Birds	
December.....		6,275	6,500
January.....	6,270	6,400	6,225
February.....		6,300	6,200
March.....		6,300	6,128
April.....	6,275	6,226	6,033
May.....		6,300	6,010
June.....		6,275	6,110
July.....	6,050	6,300	6,180
August.....		6,450	6,225
September....		6,501	6,225
October.....	5,900	6,475	6,300
November.....		6,375	6,400
Annual Avg.[2]..	6,124	6,367	6,189

1/ Quarterly Estimates. 2/ December 1 previous year to November 30.



Number on Farms by Class, December 1

CLASS	1982	1981	1980	1979	1978
			000 Birds		
CHICKENS:					
Pullets of laying age.....	3,550	3,800	3,860	3,850	3,500
Hens.....	2,450	2,500	2,540	2,400	2,850
Hens and Pullets of laying age.....	6,000	6,300	6,400	6,250	6,350
Pullets, 3 months plus.....	850	820	950	825	840
Pullets, less than 3 months.....	900	940	800	885	900
Other Chickens.....	50	40	50	40	50
All Chickens (excluding broilers).....	7,800	8,100	8,200	8,000	8,140
TURKEYS:					
Breeding Hens.....	45	50	52	44	40

Egg Production

MONTH	1982[1]	1981	1980
		Million	
December.....		131	132
January.....	380	133	124
February.....		119	111
March.....		133	122
April.....	399	124	119
May.....		126	118
June.....		127	117
July.....	381	133	124
August.....		131	128
September....		127	123
October.....	365	130	124
November.....		126	123
Total[2]...	1,525	1,541	1,459

1/ Quarterly Estimates 2/ December 1 previous year to November 30.

Egg-Type Chicks Hatched

MONTH	1982	1981	1980
		000 Birds	
January.....	282	709	630
February.....	355	756	506
March.....	460	1,044	980
April.....	465	1,285	960
May.....	550	885	1,025
June.....	650	835	1,040
July.....	365	685	735
August.....	375	815	650
September....	360	542	622
October.....	205	464	920
November.....	501	583	506
December.....	604	716	891
Total.....	5,172	9,319	9,465

Chicken and Broiler Production and Income

YEAR	Chickens (excluding broilers)				Broilers			
	Number Raised	Pounds Produced	Price Per Pound	Gross Income[1]	Number Raised	Pounds Produced	Price Per Pound	Gross Income
	000 Head	000 Lbs.	Cents	000 $	000 Head	000 Lbs.	Cents	000 $
1982....	5,100	20,326	8.5	1,836	1,180	4,720	27.0	1,274
1981....	5,650	22,787	8.5	1,993	1,130	4,520	32.0	1,446
1980....	5,250	21,333	9.0	1,833	1,552	6,053	31.0	1,876
1979....	5,000	20,284	12.0	2,504	2,570	10,794	28.0	3,022
1978....	5,600	22,338	11.0	2,411	1,190	5,355	29.2	1,564

1/ Value adjusted for change in inventory. Includes home consumption.

Turkey Production and Income

YEAR	Breeder Hens			Market Turkeys			
	On Farms Dec. 1 Previous Year	Farm Value		Number Raised[1]	Pounds Produced[2]	Price Per Pound[3]	Gross Income
		Per Bird	Total				
	000 Head	Dollars	000 $	000 Head	000 Lbs.	Cents	000 $
1983.....	45	14.00	630	--	--	--	--
1982.....	50	12.00	600	1,400	36,400	41.0	14,924
1981.....	52	18.00	936	1,550	40,300	41.0	16,523
1980.....	44	13.00	572	1,450	37,700	44.0	16,588
1979.....	40	16.00	640	1,200	31,200	45.0	14,040
1978.....	52	10.80	562	1,210	30,250	48.0	14,520

1/ Based on turkeys hatched September previous year through August, including poultry inshipments. Excludes death loss. 2/ Includes home consumption. 3/ Liveweight equivalent price.

DAIRY

General Information

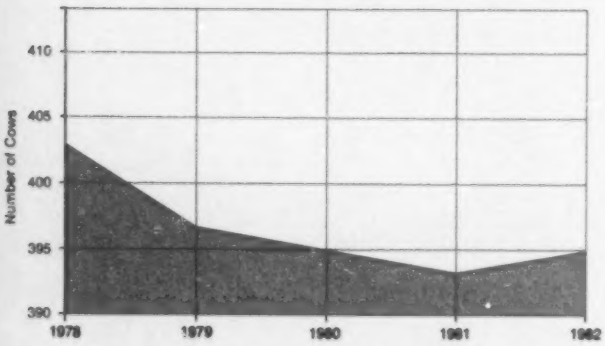
Dairy cash receipts accounted for one-fourth of Michigan's total farm cash receipts in 1982. Cash receipts from the marketings of milk and cream, at nearly $704 million, increased by 1 percent during 1982. Increased volume of milk marketed offset lower average market prices.

Michigan's 1982 milk production increased nearly 3 percent from a year earlier as milk cow numbers and milk output per cow both increased. Among the leading milk production States, Michigan placed second only to California in milk output per cow. Milk production per cow has doubled in Michigan during the past thirty years.

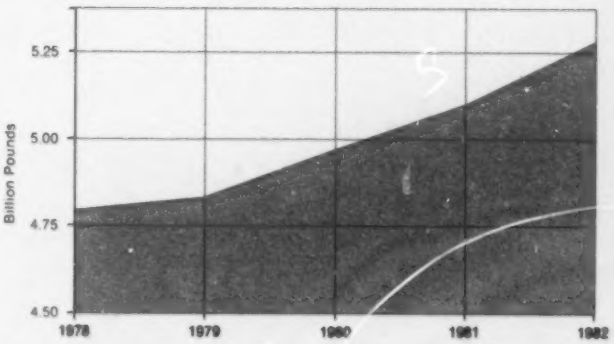
On an annual basis, average prices received by producers for milk decreased 1 percent during 1982. This was the first decrease in annual milk prices in Michigan since 1977. High milk production coupled with reduced demand for dairy products increased the Federal governments's costs of operating the milk price support program during 1982. Congress is now considering various legislative proposals designed to resolve the milk surplus situation.

Nationally per capita consumption of fluid milk and cream during 1982 declined by another 5 pounds. A marketing promotion program was approved by Michigan Grade A dairy farmers in a fall 1982 referendum by a 5-to-1 margin. The purpose of this producer funded and administered program is to provide funds for dairy product promotion, advertising, education and market information activities designed to increase consumption of dairy products. While Michigan dairy farmers received lower prices for their milk in 1982, the costs of many production inputs continued to increase along with taxes and interest charges.

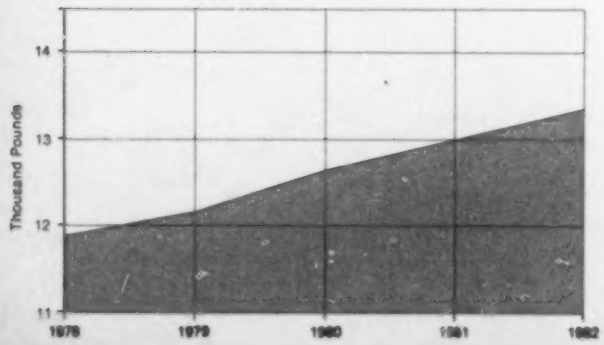
Average Number of Milk Cows on Farms



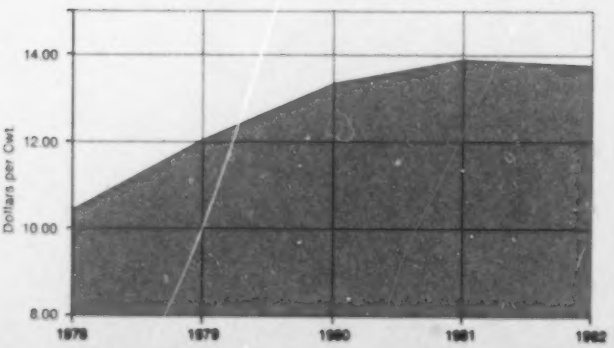
Total Milk Production



Average Production per Cow



Average Price for Milk



Cows and Milk Production[1]

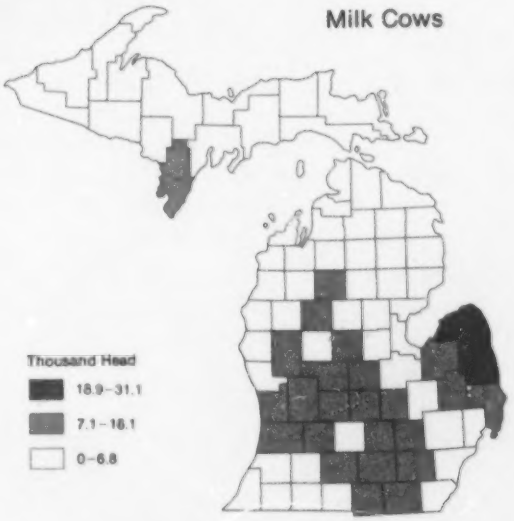
Milk production on Michigan's dairy farms during 1982 exceeded 5.2 billion pounds, an increase of nearly 3 percent from the previous year. Average milk cow numbers increased slightly to 395,000 head. Most of this increase in cow numbers occurred during the last half of the year. Milk per cow averaged 13,299 pounds, another all time record. Michigan dairy herds accounted for nearly 4 percent of the total 1982 National milk production.

Whole milk sales to plants and dealers exceeded 5.1 billion pounds in 1982. Of this total 97 percent was sold as milk eligible for fluid grade use, with the remaining sold as manufacturing grade milk. Much of the fluid-grade milk is used in manufacturing dairy products. Gross cash receipts from the marketing of Michigan milk and cream in 1982 increased by over 1 percent from 1981. This rise in cash receipts was due entirely to the larger volume of milk marketed, as prices producers received for milk declined during 1982. Prices received for whole milk sold to plants and dealers averaged $13.60 per hundredweight, a drop of 20 cents from 1981. Large milk production, reduced demand for dairy products, and the frozen level of milk price supports all contributed to the decline in producer's milk prices. Cash receipts from milk and cream marketings, at nearly $704 million accounted for one-fourth of Michigan's total farm cash receipts in 1982.

1/ Only quarterly estimates available for April-December, 1982.

Milk Cows on Farms

MONTH	1982	1981	1980	1979
		000 Head		
January.....	395	390	400	402
February.....	393	391	397	400
March.....	392	391	397	395
April.....		391	395	394
May.....	393	391	396	394
June.....		392	398	394
July.....		393	395	395
August.....	397	394	394	396
September....		395	394	399
October.....		396	392	399
November.....	397	396	390	400
December.....		396	390	400
Average....	395	393	395	397



Milk Production per Cow

MONTH	1982	1981	1980	1979
		Pounds		
January....	1,095	1,070	1,025	985
February...	1,000	975	980	910
March.....	1,120	1,095	1,060	1,020
April.....		1,090	1,050	1,020
May.....	3,370	1,130	1,095	1,060
June.....		1,105	1,065	1,040
July.....		1,110	1,080	1,040
August.....	3,400	1,120	1,070	1,040
September..		1,085	1,045	1,020
October....		1,085	1,050	1,024
November...	3,310	1,040	1,010	975
December...		1,080	1,050	1,020
Annual...	13,299	12,985	12,582	12,166

Total Milk Production by Month

MONTH	1982	1981	1980	1979
		Million Lbs.		
January...	433	417	410	396
February..	393	381	389	364
March.....	439	428	421	403
April.....		426	415	402
May.....	1,324	442	434	418
June.....		433	424	410
July.....		436	427	411
August....	1,350	441	422	412
September.		429	412	407
October...		430	412	409
November..	1,314	412	394	390
December..		428	410	408
Annual..	5,253	5,103	4,970	4,830

Milk Production, Utilization, Marketing and Value

PRODUCTION AND USE	UNIT	1982	1981	1980	1979	1978
PRODUCTION AND UTILIZATION						
Number of farms with milk cows...	Number	9,500	9,500	9,500	10,000	10,000
Production of Milk						
Total milk produced on farms..	Mil. Lbs.	5,253	5,103	4,970	4,830	4,793
Milkfat produced.....	Mil. Lbs.	191	186	182	177	177
Percentage of milkfat.....	Percent	3.64	3.64	3.67	3.67	3.69
Utilization						
Milk Marketed by Producers						
Sold to plants and dealers as whole milk[1].....	Mil. Lbs.	5,145	4,995	4,870	4,715	4,675
Sold directly to consumers..	Mil. Lbs.	18	20	20	25	26
Milk used where produced						
Fed to calves.....	Mil. Lbs.	65	63	55	65	62
Used by farm household.....	Mil. Lbs.	25	25	25	25	27
MARKETINGS						
Milk Marketed by Producers						
Sold to plants and dealers						
Whole milk sold[1].....	Mil. Lbs.	5,145	4,995	4,870	4,715	4,675
Percent fluid grade.....	Percent	97	96	95	95	95
Price per 100 pounds.....	Dollars	13.60	13.80	13.20	12.00	10.50
Cash receipts.....	000 Dol.	699,720	689,310	642,840	565,800	490,875
Sold Directly to Consumers	000 Qts.	8,372	9,302	9,302	11,628	12,093
Price per quart.....	Dollars	.50	.50	.50	.50	.47
Cash receipts.....	000 Dol.	4,186	4,651	4,651	5,814	5,684
Total Marketings						
Milk utilized.....	Mil. Lbs.	5,163	5,015	4,890	4,740	4,704
Price per 100 pounds of milk..	Dollars	13.63	13.84	13.24	12.06	10.56
Price per pound milkfat.....	Dollars	3.74	3.80	3.61	3.29	2.86
Total cash receipts.....	000 Dol.	703,906	693,961	647,491	571,614	496,661
VALUE						
Value of milk used where produced[2]	000 Dol.	12,078	12,294	10,537	10,884	9,480
TOTAL VALUE OF MILK PRODUCED.....	000 Dol.	715,984	706,255	658,028	582,498	506,141

1/ Beginning in 1979 includes the equivalent amounts of milk for cream sold to plants & dealers. 2/ Includes value of milk fed to calves and milk used by farm household.

Milk Products [1]

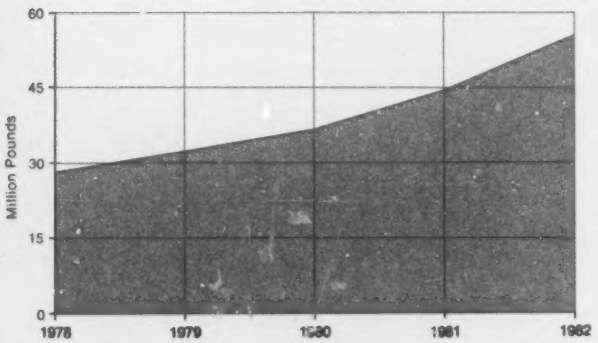
A large portion of the milk produced by Michigan dairy herds is utilized in the manufacture of dairy products, such as butter, cheese, ice cream and various items derived from skim milk. Michigan's 58 dairy product manufacturing plants are a vital marketing channel for the State's milk production. Michigan holds 8th place Nationally in terms of the number of plants manufacturing one or more dairy products.

Michigan butter production increased for the fourth consecutive year. The State's 9 butter plants produced over 55 million pounds in 1982, up 26 percent from 1981. Michigan placed 6th in National butter output with butter production utilizing more milk than did the manufacture of any other single dairy product. Total cheese production fell 2 percent as output of both American and Italian type cheeses declined. Production of non-fat dry milk rose 28 percent in 1982. Creamed cottage cheese increased 5 percent and ice cream rose 4 percent. Michigan placed 10th Nationally in ice cream output with 33.5 million gallons produced in 1982.

Dairy product estimates were compiled on a quarterly basis during the April - December 1982 period. Quarterly estimates pertain to the following 3-month periods: April-June, July-September, October-December.

1/ Only quarterly estimates available for April-December, 1982.

Butter Production



Butter Production

MONTH	1982	1981	1980
		000 Lbs.	
January.....	4,581	3,043	3,120
February.....	4,479	3,265	3,122
March.....	5,288	3,998	2,680
April.....		4,438	4,217
May.....	15,407	4,558	4,559
June.....		3,694	3,759
July.....		2,214	2,632
August.....	10,615	2,810	2,135
September....		3,345	2,090
October.....		4,641	3,425
November.....	14,684	3,287	1,929
December.....		4,497	3,041
Annual.....	55,054	43,790	36,709

Ice Cream Production

MONTH	1982	1981	1980
		000 Gallons	
January.....	2,041	1,975	2,807
February.....	2,215	2,184	2,868
March.....	2,845	2,659	3,129
April.....		2,724	3,137
May.....	9,491	2,698	3,653
June.....		3,440	3,754
July.....		3,489	3,616
August.....	9,782	3,149	3,338
September....		2,888	2,959
October.....		2,430	3,186
November.....	7,101	2,145	2,021
December.....		2,265	2,169
Annual.....	33,475	32,046	36,637

Ice Milk Production

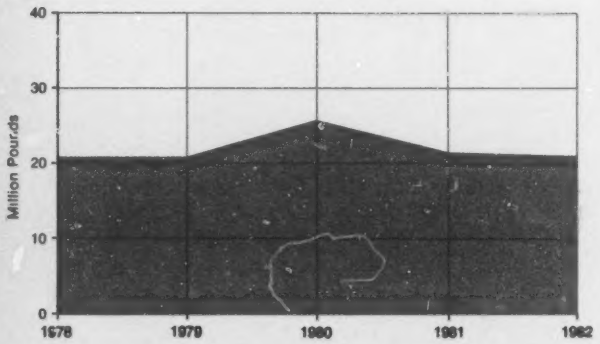
MONTH	1982	1981	1980
		000 Gallons	
January.....	443	469	594
February.....	536	622	608
March.....	821	826	693
April.....		984	928
May.....	3,608	1,254	1,166
June.....		1,450	1,255
July.....		1,456	1,452
August.....	3,661	1,331	1,273
September....		867	911
October.....		690	670
November.....	1,702	548	512
December.....		529	562
Annual.....	10,771	11,026	10,624

American Cheese Production[2]

MONTH	1982	1981	1980
		000 Lbs.	
January.....	1,772	1,899	1,804
February.....	1,547	1,690	1,733
March.....	1,762	1,898	1,950
April.....		1,927	1,991
May.....	5,717	2,009	2,492
June.....		2,034	2,521
July.....		1,784	2,873
August.....	5,798	1,827	2,078
September....		1,761	1,836
October.....		1,727	1,956
November.....	5,012	1,626	2,059
December.....		1,623	1,995
Annual.....	21,608	21,805	25,288

2/ Includes American Cheddar, Colby, Washed or Stirred Curd, Monterey and Jack.

American Cheese Production



Creamed Cottage Cheese Production

MONTH	1982	1981	1980
		000 Lbs.	
January.....	3,190	3,247	3,819
February.....	3,094	2,890	3,474
March.....	3,449	3,418	3,902
April.....		3,478	3,475
May.....	10,138	3,514	3,685
June.....		3,182	3,492
July.....		3,771	3,912
August.....	10,431	2,990	3,322
September....		2,807	3,398
October.....		3,205	3,329
November.....	9,822	2,916	3,058
December.....		2,890	3,049
Annual.....	40,124	38,308	41,915

Curd Cottage Cheese Production[2]

MONTH	1982	1981	1980
		000 Lbs.	
January.....	1,919	1,956	2,328
February.....	1,908	1,739	2,082
March.....	2,128	2,032	2,352
April.....		2,060	2,056
May.....	5,643	2,021	2,186
June.....		1,897	2,036
July.....		2,152	2,228
August.....	5,747	1,728	1,911
September....		1,659	1,934
October.....		1,850	1,951
November.....	5,395	1,788	1,830
December.....		2,054	1,786
Annual.....	22,740	22,936	24,680

2/ Mostly used for Processing into fully Creamed or Lowfat Cottage Cheese.

Total Cheese Production[2]

MONTH	1982	1981	1980
		000 Lbs.	
January.....	2,703	2,975	2,593
February.....	2,508	2,687	2,737
March.....	2,975	3,110	2,993
April.....		2,937	2,878
May.....	9,395	3,315	3,149
June.....		3,438	3,185
July.....		3,049	3,221
August.....	9,528	3,896	3,030
September....		2,854	2,802
October.....		2,735	2,940
November.....	8,665	2,719	2,819
December.....		2,680	2,996
Annual.....	35,774	36,395	35,343

2/ Includes American Cheeses, Muenster, Brick, Mozzarella and other Italian Cheeses, Cream Cheese, Neufchatel and Farmer Cheese. Excludes Cottage Cheeses.

County Estimates

Crop Reporting Districts

The state is divided into 9 crop reporting districts. The purpose of division is to make easier comparisons of crop progress. The crop reporting districts are numbered from north to south with district 1 in the U.P. to district 9 in the southeast. Each district has within itself more homogeneous agriculture than does the state as a whole. Different soil types, fertility, precipitation, and length of growing season make each district unique.

1 Upper Peninsula
2 Northwest
3 Northeast
4 West Central
5 Central
6 East Central
7 Southwest
8 South Central
9 Southeast

General Information

Estimates are not published for counties with small acreages, inventories or production. Livestock rankings based on number of head. Crop rankings based on production. Corn ranking based on grain production. Dry bean yields are rounded to the nearest 10 pounds. Potato yields are rounded to the nearest 5 hundred-weight.

Rank of Michigan's Counties

COUNTY	Corn	Soy-beans	Wheat	Dry Beans	Oats	Potatoes	Barley	All Cattle	Milk Cows	All Hogs	HP LA[1]
Alger	72	--	--	--	74	--	13	65	66*	--	--
Baraga	--	--	72	--	73	--	34	74	70*	--	--
Chippewa	--	--	62	--	30	--	23	45*	44*	65	18
Delta	64	43	70	--	39	12	5	42	44*	53*	60*
Dickinson	69	--	--	--	65	6	24	66*	62*	66*	--
Gogebic	--	--	--	--	79	--	--	77*	77*	--	--
Houghton	71	--	--	--	57	21*	42*	64	58	--	49
Iron	--	--	66*	--	62	27	48*	72*	74*	--	57*
Keweenaw	--	--	--	--	--	--	--	--	--	--	--
Luce	--	--	--	--	77*	25	47	79	--	68*	54
Mackinaw	70	--	68	--	58	--	16	63	59*	--	--
Marquette	73	--	--	--	69	29	17	72*	69	58*	--
Menominee	43	52*	64	--	32	--	4	23*	15	52	29*
Ontonagon	--	--	73	--	60	--	48*	61	66*	--	--
Schoolcraft	--	56	74	--	72	--	15	71	74*	66*	--
Antrim	53	--	56	--	67	11	56*	51	49	58*	33*
Benzie	68	--	75	--	82	--	--	76	79	53*	--
Charlevoix	59	--	65	--	68	--	18	56	51*	64	33*
Emmet	62	--	69	--	56	21*	39	54	59*	68*	--
Grand Traverse	48	54	52	--	61	--	45	59*	59*	48*	42*
Kalkaska	57	50	59	--	76	16	--	77*	72*	48*	57*
Leelanau	55	--	63	--	66	--	66*	57*	64*	53*	48
Manistee	58	44	60	--	71	30	59	69	74*	62*	60*
Missaukee	45	--	55	--	28	--	41	26	16*	40	32
Wexford	52	57	53	--	63	--	62	62	50	48*	60*
Alcona	60	--	51	--	51	--	27*	53	62*	47	29*
Alpena	54	51	33	--	22	--	12	45*	36*	46	37*
Cheboygan	65	49	57	--	54	--	9	57*	51*	58*	64*
Crawford	--	--	--	--	81	--	--	82	--	--	--
Iosco	51	40*	46	--	45	--	46	48	55*	39	--
Montmorency	61	--	54	--	55	--	26	68	55*	--	--
Ogemaw	50	40*	50	--	35	--	21	36	33*	58*	64*
Oscoda	63	--	66*	--	77*	--	64*	70	64*	68*	--
Otsego	66	--	58	--	49*	15	42*	66*	70*	68*	--
Presque Isle	56	--	44	--	18	3	19	40	44*	62*	55*
Roscommon	--	--	71	--	80	--	--	81	--	68*	--
Lake	67	--	61	--	70	--	--	75	72*	68*	57*
Mason	42	46*	29	--	42	--	29	41	36*	53*	37*
Muskegon	38	42	43	--	59	--	52*	37	32	43*	42*
Newaygo	35	52*	41	--	38	--	32	29	21	32	6
Oceana	46	55	39	--	64	--	50	38	43	38	23
Clare	44	46	40	--	48	--	30	39	41*	29	60*
Gladwin	41	37	35	--	40	--	31	45*	48	45	55*
Gratiot	9	4	5	3	7	20	54*	14*	26	17	14*

Rank of Michigan's Counties–Continued

COUNTY	Corn	Soy-beans	Wheat	Dry Beans	Oats	Potatoes	Barley	All Cattle	Milk Cows	All Hogs	HP LA[1]
Isabella..	32	25	21	11	19	--	7	10	8*	18	11*
Mecosta...	40	45	36	--	41	10	8	34	29	41*	27*
Midland...	34	24	28	9	46	—	66*	52	66*	36	64*
Montcalm..	23	26	10	7	14	1	22	22	13	28	20*
Osceola...	49	46*	49	--	31	--	25	27*	22*	35	37*
Arenac....	39	30	37	12	37	8	63	43*	36*	34	50
Bay.....	31	22	25*	6	49*	2	51	59*	51*	43*	51*
Huron.....	2	34	8	1	2	--	1	1	2	14	2
Saginaw...	14	1	3	5	12	19	10	33	30	27	33*
Sanilac...	4	12	16	4	1	—	3	2	1	26	42*
Tuscola...	3	20	2	2	4	9	2	19	19*	15*	5
Allegan...	8	31	22	--	24	7	27*	3	3	2	3
Berrien...	27	18	27	--	53	--	56*	50	47	11	9
Cass.....	17	16	23	--	44	--	37	32	41*	1	20*
Kalamazoo.	24	14	12	--	29	--	56*	27*	33*	9	11*
Kent.....	21	36	25*	--	23	17	36	5	7	22	8
Ottawa....	22	38	31	--	20	24	64*	4	4	3	1
Van Buren.	28	28	38	--	47	--	40	35	40	8	7
Barry.....	29	29	20	--	34	18	38	17*	14	24	17
Branch....	5	7	13	--	26	--	66*	20	27	6*	42*
Calhoun...	6	19	7	--	15	--	52	13	25	10	13
Clinton...	18	6	9	14	6	--	20	7	5*	15*	33*
Eaton.....	16	17	1	8	27	26	69	23*	28	19	29*
Hillsdale.	7	8	18	--	16	--	--	12	8*	5	14*
Ingham....	11	13	11	--	17	--	11	14*	10*	13	22
Ionia.....	13	15	6	10	8	--	14	6	5*	12	4
Jackson...	12	32	19	--	21	--	--	8	16*	23	47
St. Joseph	10	9	17	--	43	--	54*	30	31	4	14*
Shiawassee	26	5	14	15	3	--	35	17*	10*	30	24
Genesee...	30	11	34	--	10	13	70	31	35	31	25
Lapeer....	20	27	24	13	9	23	6	9	12	25	51*
Lenawee...	1	2	4	--	13	5	71	11	19*	6*	26
Livingston	25	35	30	--	33	--	--	25	22*	33	53
Macomb....	36	21	47	--	36	28	--	43*	36*	41*	46
Monroe....	19	3	32	--	25	4	44	49	51*	20	19
Oakland...	37	39	45	--	52	--	60	55	55*	48*	41
St. Clair.	33	10	42	--	11	--	61	21	22*	37	10
Washtenaw.	15	23	15	--	5	14	33	14*	18	21	27*
Wayne.....	47	33	48	--	75	--	--	80	77*	53*	37*

1/ HPLA - Hens and Pullets of Laying Age.
* Tied with another county.

CATTLE and SHEEP: January 1, 1983

DISTRICT AND COUNTY	All Cattle and Calves	All Cows that have Calved	Milk Cows	Beef Cows	All Sheep and Lambs
			Head		
Alger	3,900	1,800	800	1,000	300
Baraga	2,400	1,400	600	800	--
Chippewa	11,000	5,200	2,700	2,500	1,100
Delta	12,000	6,900	2,700	4,200	300
Dickinson	3,800	1,900	1,000	900	--
Gogebic	1,600	800	200	600	--
Houghton	4,000	2,100	1,300	800	100
Iron	2,700	1,600	300	1,300	650
Keweenaw	--	--	--	--	--
Luce	1,500	400	--	400	--
Mackinac	4,400	2,000	1,100	900	50
Marquette	2,700	1,300	700	600	50
Menominee	25,000	11,600	8,700	2,900	100
Ontonagon	5,200	3,100	800	2,300	300
Schoolcraft	2,800	1,600	300	1,300	--
UPPER PENINSULA (1)	83,000	41,700	21,200	20,500	3,000
Antrim	8,800	3,600	1,700	1,900	150
Benzie	1,800	700	100	600	100
Charlevoix	7,100	3,100	1,500	1,600	150
Emmett	7,600	3,500	1,100	2,400	100
Grand Traverse	6,000	2,300	1,100	1,200	100
Kalkaska	1,600	800	500	300	50
Leelanau	7,000	1,700	900	800	50
Manistee	3,500	2,000	300	1,700	300
Missaukee	24,000	11,600	8,500	3,100	700
Wexford	4,600	2,300	1,600	700	100
NORTHWEST (2)	72,000	31,600	17,300	14,300	1,800
Alcona	7,900	4,700	1,000	3,700	600
Alpena	11,000	5,900	3,200	2,700	300
Cheboygan	7,000	4,100	1,500	2,600	450
Crawford	100	--	--	--	--
Iosco	10,800	5,400	1,400	4,000	400
Montmorency	3,700	2,200	1,400	800	300
Ogemaw	15,000	5,800	4,000	1,800	500
Oscoda	3,300	1,300	900	400	400
Otsego	3,800	2,100	600	1,500	50
Presque Isle	12,800	7,300	2,700	4,600	200
Roscommon	600	400	--	400	--
NORTHEAST (3)	76,000	39,200	16,700	22,500	3,200
Lake	2,300	1,200	500	700	200
Mason	12,300	4,600	3,200	1,400	1,000
Muskegon	14,500	5,600	4,500	1,100	400
Newaygo	22,200	10,100	7,800	2,300	2,400
Oceana	13,700	5,300	2,800	2,500	800
WEST CENTRAL (4)	65,000	26,800	18,800	8,000	4,800
Clare	13,300	6,300	3,000	3,300	1,200
Gladwin	11,000	5,600	1,900	3,700	1,100
Gratiot	33,500	10,000	7,100	2,900	1,900

CATTLE and SHEEP: January 1, 1983

DISTRICT AND COUNTY	All Cattle and Calves	All Cows that have Calved	Milk Cows	Beef Cows	All Sheep and Lambs
			Head		
Isabella	38,500	14,500	11,200	3,300	600
Mecosta	18,200	8,300	5,100	3,200	800
Midland	8,300	2,200	800	1,400	300
Montcalm	25,200	12,200	10,000	2,200	800
Osceola	23,000	11,700	7,700	4,000	900
CENTRAL (5)	171,000	70,800	46,800	24,000	7,600
Arenac	11,500	4,100	3,200	900	100
Bay	6,000	2,300	1,500	800	100
Huron	87,000	25,400	19,000	6,400	400
Saginaw	18,500	6,600	4,800	1,800	1,[illegible]
Sanilac	83,500	35,400	31,000	4,400	1,000
Tuscola	28,500	10,900	8,000	2,900	[illegible]
E.CENTRAL (6)	235,000	84,700	67,500	17,200	[illegible]
Allegan	56,000	20,800	16,000	4,800	1,[illegible]
Berrien	10,000	5,000	2,500	2,500	300
Cass	19,000	9,100	3,000	6,100	1,900
Kalamazoo	23,000	6,900	4,000	2,900	1,800
Kent	46,000	20,500	13,700	6,800	1,200
Ottawa	46,500	20,200	14,700	5,500	600
Van Buren	16,500	6,000	3,100	2,900	500
SOUTWEST (7)	217,000	88,500	57,000	31,500	8,000
Barry	31,000	14,100	9,200	4,900	2,000
Branch	27,000	10,400	6,800	3,600	3,500
Calhoun	35,500	14,000	7,300	6,700	2,900
Clinton	43,500	16,800	14,000	2,800	3,500
Eaton	25,000	12,200	5,800	6,400	4,100
Hillsdale	36,500	15,800	11,200	4,600	3,500
Ingham	33,500	14,500	10,500	4,000	3,000
Ionia	44,500	19,200	14,000	5,200	1,600
Jackson	42,000	16,600	8,500	8,100	7,000
St. Joseph	21,500	8,300	4,700	3,600	1,900
Shiawassee	31,000	13,100	10,500	2,600	1,300
S.CENTRAL (8)	371,000	155,000	102,500	52,500	34,300
Genesee	19,500	6,900	3,800	3,100	900
Lapeer	39,500	14,100	10,300	3,800	1,400
Lenawee	37,000	10,500	8,000	2,500	5,500
Livingston	24,500	10,500	7,700	2,800	2,200
Macomb	11,500	4,900	3,200	1,700	500
Monroe	10,500	1,900	1,500	400	900
Oakland	7,300	3,300	1,400	1,900	500
St. Clair	26,000	11,900	7,700	4,200	450
Washtenaw	33,500	12,200	8,400	3,800	21,000
Wayne	700	500	200	300	150
SOUTHEAST (9)	210,000	76,700	52,200	24,500	33,500
STATE	1,500,000	615,000	400,000	215,000	100,000

CATTLE and SHEEP: January 1, 1982

DISTRICT AND COUNTY	All Cattle and Calves	All Cows that have Calved	Milk Cows	Beef Cows	All Sheep and Lambs
			Head		
Alger	3,800	1,800	800	1,000	350
Baraga	2,300	1,400	600	800	--
Chippewa	10,500	5,100	2,700	2,400	1,200
Delta	11,500	6,700	2,700	4,000	350
Dickinson	3,700	1,900	1,000	900	--
Gogebic	1,400	800	200	600	--
Houghton	3,900	2,100	1,300	800	200
Iron	2,600	1,600	300	1,300	800
Keweenaw	--	--	--	--	--
Luce	1,500	400	--	400	--
Mackinac	4,300	2,000	1,100	900	50
Marquette	2,500	1,300	700	600	50
Menominee	23,500	11,300	8,500	2,800	150
Ontonagon	5,000	3,000	800	2,200	350
Schoolcraft	3,000	1,600	300	1,300	--
UPPER PENINSULA (1)	79,500	41,000	21,000	20,000	3,500
Antrim	8,500	3,500	1,700	1,800	200
Benzie	1,700	700	100	600	150
Charlevoix	6,900	3,000	1,500	1,500	200
Emmett	7,400	3,600	1,200	2,400	100
Grand Traverse	6,000	2,300	1,100	1,200	50
Kalkaska	1,600	800	500	300	50
Leelanau	6,800	1,600	800	800	100
Manistee	3,300	1,900	300	1,600	300
Missaukee	22,500	11,200	8,100	3,100	800
Wexford	4,800	2,200	1,500	700	150
NORTHWEST (2)	69,500	30,800	16,800	14,000	2,100
Alcona	7,400	4,800	1,100	3,700	800
Alpena	10,500	5,500	2,800	2,700	400
Cheboygan	6,400	3,900	1,300	2,600	500
Crawford	100	--	--	--	--
Iosco	10,000	5,200	1,200	4,000	400
Montmorency	3,500	2,200	1,400	800	400
Ogemaw	14,000	6,000	4,200	1,800	600
Oscoda	3,200	1,300	900	400	400
Otsego	3,500	2,100	600	1,500	50
Presque Isle	12,000	7,100	2,500	4,600	50
Roscommon	400	400	--	400	--
NORTHEAST (3)	71,000	38,500	16,000	22,500	3,600
Lake	2,300	1,300	500	800	150
Mason	12,000	4,800	3,300	1,500	1,000
Muskegon	14,000	5,400	4,200	1,200	550
Newaygo	21,500	10,300	7,900	2,400	2,900
Oceana	13,700	5,400	2,800	2,600	600
WEST CENTRAL (4)	63,500	27,200	18,700	8,500	5,200
Clare	13,000	6,000	2,700	3,300	1,600
Gladwin	11,000	5,500	1,800	3,700	1,600
Gratiot	32,000	10,100	7,200	2,900	2,700

CATTLE and SHEEP: January 1, 1982

DISTRICT AND COUNTY	All Cattle and Calves	All Cows that have Calved	Milk Cows	Beef Cows	All Sheep and Lambs
			Head		
Isabella	38,000	14,100	10,800	3,300	500
Mecosta	17,500	8,200	5,000	3,200	700
Midland	8,000	2,200	800	1,400	400
Montcalm	24,500	11,900	9,700	2,200	900
Osceola	22,500	11,500	7,500	4,000	900
CENTRAL (5)	166,500	69,500	45,500	24,000	9,300
Arenac	11,000	4,300	3,400	900	100
Bay	5,800	2,400	1,600	800	100
Huron	85,000	25,500	19,300	6,200	500
Saginaw	18,500	7,200	5,400	1,800	2,000
Sanilac	81,700	34,900	30,500	4,400	1,200
Tuscola	28,000	10,700	7,800	2,900	800
E.CENTRAL (6)	230,000	85,000	68,000	17,000	4,700
Allegan	52,500	20,700	15,900	4,800	2,500
Berrien	9,700	4,900	2,400	2,500	400
Cass	18,000	9,200	3,100	6,100	2,500
Kalamazoo	22,000	6,700	3,800	2,900	2,600
Kent	43,300	20,500	13,700	6,800	1,200
Ottawa	43,800	19,700	14,200	5,500	700
Van Buren	15,700	5,800	2,900	2,900	400
SOUTWEST (7)	205,000	87,500	56,000	31,500	10,300
Barry	31,000	13,600	8,800	4,800	2,900
Branch	26,500	9,600	6,000	3,600	4,600
Calhoun	35,000	13,900	7,300	6,600	4,000
Clinton	43,000	17,300	14,500	2,800	4,900
Eaton	24,500	12,100	5,800	6,300	5,600
Hillsdale	35,700	15,600	11,000	4,600	4,600
Ingham	33,000	14,500	10,500	4,000	4,200
Ionia	43,500	19,200	14,000	5,200	2,400
Jackson	40,500	16,500	8,400	8,100	8,600
St. Joseph	21,500	8,100	4,700	3,400	2,800
Shiawassee	30,800	13,600	11,000	2,600	2,200
S.CENTRAL (8)	365,000	154,000	102,000	52,000	46,800
Genesee	18,500	6,600	3,500	3,100	1,400
Lapeer	37,500	14,200	10,500	3,700	1,600
Lenawee	35,500	10,900	8,400	2,500	7,100
Livingston	23,200	10,300	7,400	2,900	3,200
Macomb	11,000	5,000	3,300	1,700	700
Monroe	10,200	1,900	1,500	400	1,300
Oakland	7,000	3,400	1,400	2,000	600
St. Clair	24,700	11,400	7,200	4,200	500
Washtenaw	31,700	12,300	8,600	3,700	28,000
Wayne	700	500	200	300	100
SOUTHEAST (9)	200,000	76,500	52,000	24,500	44,500
STATE	1,450,000	610,000	396,000	214,000	130,000

HOGS and PIGS, CHICKENS: December 1, 1981-82

DISTRICT AND COUNTY	All Hogs and Pigs		Sows Farrowed		Hens and Pullets of Laying Age	
	1982	1981	1982	1981	1982	1981
	Head				Birds	
Alger	--	--	--	--	--	1,500
Baraga	--	--	--	--	--	--
Chippewa	200	200	100	100	72,000	70,000
Delta	700	600	150	150	1,500	2,000
Dickinson	150	150	--	--	--	1,000
Gogebic	--	--	--	--	--	--
Houghton	--	--	--	--	9,000	10,000
Iron	--	--	--	--	2,000	2,100
Keweenaw	--	--	--	--	--	--
Luce	100	100	--	--	5,000	7,000
Mackinac	--	--	--	--	--	1,000
Marquette	500	150	100	--	--	1,000
Menominee	800	600	300	250	25,000	20,800
Ontonagon	--	--	--	--	--	--
Schoolcraft	150	100	--	--	--	--
UPPER PENINSULA (1)	2,900	2,200	800	700	118,000	117,000
Antrim	500	500	150	150	20,000	41,500
Benzie	700	600	250	200	--	--
Charlevoix	300	300	--	--	20,000	25,000
Emmet	100	100	--	--	--	1,000
Grand Traverse	1,200	1,200	300	300	15,000	17,000
Kalkaska	1,200	1,400	300	350	2,000	3,000
Leelanau	700	700	200	200	11,000	8,000
Manistee	400	400	100	100	1,500	3,000
Missaukee	2,400	2,300	650	600	23,000	60,000
Wexford	1,200	1,000	400	300	1,500	3,000
NORTHWEST (2)	8,700	8,500	2,400	2,300	95,000	162,000
Alcona	1,300	1,000	350	250	25,000	29,000
Alpena	1,500	1,400	400	350	17,000	22,000
Cheboygan	500	500	100	100	1,000	1,400
Crawford	--	--	--	--	--	--
Iosco	2,500	2,500	550	550	--	1,000
Montmorency	--	--	--	--	--	--
Ogemaw	500	300	150	100	1,000	1,400
Oscoda	100	100	--	--	--	1,000
Otsego	100	--	--	--	--	--
Presque Isle	400	300	--	--	2,500	3,500
Roscommon	100	--	--	--	--	--
NORTHEAST (3)	7,100	6,300	1,700	1,500	50,000	62,000
Lake	100	100	--	--	2,000	2,500
Mason	700	600	100	100	17,000	20,000
Muskegon	2,000	1,800	500	500	15,000	20,000
Newaygo	4,200	4,000	1,300	1,200	155,000	160,000
Oceana	3,000	2,800	700	700	44,000	50,500
WEST CENTRAL (4)	10,000	9,300	2,600	2,500	233,000	253,000
Clare	5,500	5,500	1,200	1,200	1,500	1,500
Gladwin	1,600	1,500	300	300	2,500	3,000
Gratiot	17,000	14,000	3,400	2,900	80,000	160,000

HOGS AND PIGS, CHICKENS: December 1, 1981-82

DISTRICT AND COUNTY	All Hogs and Pigs		Sows Farrowed		Hens and Pullets of Laying Age	
	1982	1981	1982	1981	1982	1981
			Head		Birds	
Isabella	14,800	13,500	3,300	3,000	90,000	75,000
Mecosta	2,300	2,000	500	500	30,000	47,500
Midland	3,500	3,000	800	800	1,000	2,000
Montcalm	6,700	6,000	1,500	1,500	60,000	75,000
Osceola	3,600	3,500	700	800	17,000	20,000
CENTRAL (5)	55,000	49,000	11,700	11,000	282,000	384,000
Arenac	3,700	3,500	800	800	8,000	10,000
Bay	2,000	1,800	400	400	7,000	9,000
Huron	19,500	18,500	4,200	4,000	970,000	950,000
Saginaw	7,300	6,800	1,200	1,300	20,000	37,000
Sanilac	8,000	7,400	2,100	2,200	15,000	20,000
Tuscola	18,500	17,000	3,600	3,300	400,000	400,000
EAST CENTRAL (6)	59,000	55,000	12,300	12,000	1,420,000	1,426,000
Allegan	60,000	50,000	11,500	10,500	850,000	880,000
Berrien	22,000	20,000	4,000	3,900	115,000	150,000
Cass	140,000	127,000	34,500	32,000	60,000	50,000
Kalamazoo	26,000	22,000	5,400	4,800	90,000	90,000
Kent	10,000	10,000	2,600	2,800	120,000	133,000
Ottawa	45,000	42,000	9,700	9,000	1,050,000	975,000
Van Buren	27,000	24,000	6,300	6,000	135,000	135,000
SOUTHWEST (7)	330,000	295,000	74,000	69,000	2,420,000	2,413,000
Barry	8,500	8,000	2,200	2,200	75,000	85,000
Branch	30,000	28,000	6,700	6,400	15,000	20,000
Calhoun	24,000	25,000	5,300	5,500	88,000	100,000
Clinton	18,500	16,000	4,600	4,000	20,000	30,000
Eaton	13,000	12,000	2,700	2,500	25,000	35,000
Hillsdale	31,000	28,000	6,900	6,200	80,000	90,000
Ingham	20,000	20,000	4,000	4,000	45,000	53,000
Ionia	21,000	19,000	4,300	3,800	570,000	500,000
Jackson	9,000	8,000	2,400	2,300	12,000	15,000
St. Joseph	32,000	29,000	8,200	7,500	80,000	95,000
Shiawassee	5,000	4,000	1,700	1,600	40,000	55,000
SOUTH CENTRAL (8)	212,000	197,000	49,000	46,000	1,050,000	1,078,000
Genessee	4,600	4,000	1,200	1,200	35,000	40,000
Lapeer	8,200	7,500	1,700	1,700	7,000	8,000
Lenawee	30,000	27,000	6,500	6,000	33,000	45,500
Livingston	3,800	3,500	1,000	1,100	6,000	6,500
Macomb	2,300	2,000	400	400	13,000	15,000
Monroe	10,800	9,000	2,200	2,000	70,000	100,000
Oakland	1,200	1,500	300	400	16,000	20,000
St. Clair	3,200	3,000	750	800	105,000	95,000
Wastenaw	10,500	9,500	2,300	2,200	30,000	30,000
Wayne	700	700	200	150	17,000	45,000
SOUTHEAST (9)	75,300	67,700	16,500	16,000	332,000	405,000
STATE	760,000	690,000	171,000	161,000	6,000,000	6,300,000

MILK: Cow Number, Production Per Cow, Total Production, 1981-82

DISTRICT AND COUNTY	1982			1981		
	Milk Cows	Milk Per Cow	Total Milk Produced	Milk Cows	Milk Per Cow	Total Milk Produced
		Lbs.	000 Lbs.		Lbs.	000 Lbs.
Alger	800	13,068	10,500	800	12,625	10,100
Baraga	600	13,333	8,000	500	13,273	6,600
Chippewa	2,700	12,128	32,700	2,700	11,717	31,600
Delta	2,700	12,230	33,000	2,700	11,815	31,900
Dickinson	1,000	14,289	14,300	1,100	13,804	15,200
Gogebic	200	12,824	2,600	200	12,389	2,500
Houghton	1,300	12,563	16,300	1,300	12,137	15,800
Iron	300	14,289	4,300	300	13,804	4,100
Keweenaw	--	--	--	--	--	--
Luce	--	--	--	--	--	--
Mackinac	1,100	13,690	15,100	1,200	13,226	15,900
Marquette	700	12,400	8,700	700	11,859	8,300
Menominee	8,500	12,210	103,800	8,300	11,785	97,800
Ontonagon	800	13,602	10,900	800	13,141	10,500
Schoolcraft	300	14,289	4,300	200	13,804	2,800
UPPER PENINSULA (1)	21,000	12,595	264,500	20,800	12,168	253,100
Antrim	1,700	13,235	22,500	1,700	12,995	22,100
Benzie	100	13,114	1,300	200	12,730	2,500
Charlevoix	1,500	13,000	19,500	1,500	12,730	19,100
Emmet	1,100	12,700	14,000	1,200	12,403	14,900
Grand Traverse	1,100	14,235	15,700	1,100	13,818	15,200
Kalkaska	500	11,543	5,800	500	11,205	5,600
Leelanau	900	14,244	12,800	900	13,826	12,400
Manistee	300	12,042	3,600	300	11,689	3,500
Missaukee	8,300	14,820	123,000	8,000	14,393	115,100
Wexford	1,500	12,533	18,800	1,300	12,199	18,300
NORTHWEST(2)	17,000	13,941	237,000	16,900	13,533	228,700
Alcona	1,000	14,248	14,200	1,000	13,760	13,800
Alpena	3,000	14,386	43,200	2,800	13,893	38,900
Cheboygan	1,400	14,171	19,800	1,300	13,685	17,800
Crawford	--	--	--	--	--	--
Iosco	1,300	13,979	18,200	1,200	13,500	16,200
Montmorency	1,400	12,608	17,700	1,300	12,176	15,800
Ogemaw	4,000	13,133	52,500	4,100	12,683	52,000
Oscoda	900	14,263	12,800	900	13,774	12,400
Otsego	600	13,462	8,100	600	13,000	7,800
Presque Isle	2,600	12,885	33,500	2,500	12,488	31,200
Roscommon	--	--	--	--	--	--
NORTHEAST (3)	16,200	13,580	220,000	15,700	13,115	205,900
Lake	500	13,200	6,600	500	12,949	6,500
Mason	3,200	13,903	44,500	3,300	13,416	44,300
Muskegon	4,300	13,023	56,000	4,100	12,512	51,300
Newaygo	7,800	13,484	105,200	7,800	13,012	101,500
Oceana	2,700	13,580	36,700	2,600	13,104	34,100
W. CENTRAL (4)	18,500	13,460	249,000	18,300	12,989	237,700
Clare	2,800	13,925	39,000	2,700	13,523	36,500
Gladwin	1,800	13,783	24,800	1,800	13,409	24,100
Gratiot	7,100	14,085	100,000	7,300	13,685	99,900

MILK: Cow Number, Production Per Cow, Total Production, 1981-82

DISTRICT AND COUNTY	1982			1981		
	Milk Cows	Milk Per Cow	Total Milk Produced	Milk Cows	Milk Per Cow	Total Milk Produced
		Lbs.	000 Lbs.		Lbs.	000 Lbs.
Isabella.....	11,000	12,815	141,000	10,600	12,453	132,000
Mecosta.....	5,000	14,228	71,100	5,000	13,842	69,200
Midland.....	800	13,223	10,600	800	12,864	10,300
Montcalm.....	9,800	12,806	125,500	9,600	12,458	119,600
Osceola.....	7,500	13,404	100,500	7,400	13,040	96,500
CENTRAL (5).....	45,800	13,373	612,500	45,200	13,011	588,100
Arenac.....	3,200	12,125	38,800	3,400	11,800	40,100
Bay.....	1,500	13,452	20,200	1,600	13,055	20,900
Huron.....	19,000	13,818	262,500	19,200	13,410	257,500
Saginaw.....	5,000	13,300	66,500	5,400	12,926	69,800
Sanilac.....	30,500	14,557	444,000	30,200	14,145	427,200
Tuscola.....	7,800	13,074	102,000	7,700	12,688	97,700
E. CENTRAL (6)...	67,000	13,940	934,000	67,500	13,529	913,200
Allegan.....	15,900	12,863	204,500	15,800	12,456	196,800
Berrien.....	2,400	12,842	30,800	2,300	12,435	28,600
Cass.....	3,000	11,609	34,800	3,100	11,241	34,800
Kalamazoo.....	3,800	13,290	50,500	3,800	12,947	49,200
Kent.....	13,700	13,671	187,300	13,600	13,238	180,000
Ottawa.....	14,300	13,549	193,800	14,100	13,120	185,000
Van Buren.....	2,900	12,001	34,800	2,900	11,621	33,700
SOUTHWEST (7)....	56,000	13,152	736,500	55,600	12,736	708,100
Barry.....	8,800	13,055	114,900	8,600	12,814	110,200
Branch.....	6,200	12,623	78,300	5,900	12,390	73,100
Calhoun.....	7,300	13,155	96,000	7,300	12,912	94,300
Clinton.....	14,200	13,662	194,000	14,200	13,415	190,500
Eaton.....	5,800	11,980	69,500	5,800	11,759	68,200
Hillsdale.....	11,000	13,275	146,000	10,800	13,033	140,800
Ingham.....	10,500	13,299	139,600	10,400	13,054	135,800
Ionia.....	14,000	12,627	176,800	13,800	12,394	171,000
Jackson.....	8,400	12,497	105,000	8,400	12,266	103,000
St. Joseph.....	4,700	12,772	60,000	4,800	12,536	60,200
Shiawassee.....	10,600	12,539	132,900	11,000	12,308	135,400
S. CENTRAL (8)...	101,500	12,936	1,313,000	101,000	12,698	1,282,500
Genesee.....	3,700	13,865	51,300	3,500	13,788	48,300
Lapeer.....	10,400	13,798	143,500	10,600	13,774	146,000
Lenawee.....	8,200	13,683	112,200	8,300	13,657	113,400
Livingston.....	7,500	12,773	95,800	7,300	12,756	93,100
Macomb.....	3,200	13,017	41,700	3,400	13,000	44,200
Monroe.....	1,500	13,485	20,200	1,500	13,467	20,200
Oakland.....	1,400	13,160	18,400	1,400	13,143	18,400
St. Clair.....	7,400	12,129	89,800	7,100	12,113	86,000
Wastenaw.....	8,500	13,040	110,800	8,700	13,023	113,300
Wayne.....	200	13,985	2,800	200	13,967	2,800
SOUTHEAST (9)....	52,000	13,202	686,500	52,000	13,186	685,700
STATE.....	395,000	13,299	5,253,000	393,000	12,985	5,103,000

CORN: Acreage, Yield, Production, 1982

DISTRICT AND COUNTY	Planted All Purposes	Grain			Silage		
		Harvested	Yld.	Production	Harvested	Yld.	Production
	Acres		Bushels		Acres	Tons	
Alger	500	130	72.3	9,400	360	10.0	3,600
Baraga	--	--	--	--	--	--	--
Chippewa	--	--	--	--	--	--	--
Delta	3,800	1,140	90.0	102,600	2,500	11.2	28,000
Dickinson	1,000	490	81.6	40,000	460	10.0	4,600
Gogebic	--	--	--	--	--	--	--
Houghton	600	300	73.3	22,000	280	13.6	3,800
Iron	--	--	--	--	--	--	--
Keweenaw	--	--	--	--	--	--	--
Luce	--	--	--	--	--	--	--
Mackinaw	700	340	85.3	29,000	330	11.8	3,900
Marquette	500	120	70.8	8,500	340	10.3	3,500
Menominee	18,700	11,200	83.1	931,000	7,300	13.7	100,000
Ontonagon	--	--	--	--	--	--	--
Schoolcraft	--	--	--	--	--	--	--
UPPER PENINSULA.(1)	27,000	14,100	83.0	1,171,000	12,370	12.6	156,200
Antrim	5,500	3,360	89.9	302,000	2,000	11.5	23,000
Benzie	2,500	600	70.0	42,000	1,850	10.3	19,000
Charlevoix	4,500	1,800	92.8	167,000	2,500	13.2	33,000
Emmet	5,000	1,400	82.9	116,000	3,500	11.7	41,000
Grand Traverse	7,900	6,740	94.1	634,000	1,100	11.8	13,000
Kalkaska	2,500	2,230	81.2	181,000	190	10.0	1,900
Leelanau	4,600	2,570	81.7	210,000	2,000	10.0	20,000
Manistee	2,300	1,850	93.0	172,000	420	11.0	4,600
Missaukee	16,000	7,600	90.1	685,000	8,300	10.4	86,000
Wexford	5,200	4,650	73.3	341,000	470	10.6	5,000
NORTHWEST (2)	56,000	32,800	86.9	2,850,000	22,330	11.0	246,500
Alcona	3,600	1,700	85.3	145,000	1,700	10.0	17,000
Alpena	9,000	3,800	76.1	289,000	5,100	9.8	50,000
Cheboygan	2,250	1,330	76.5	101,800	850	12.9	11,000
Crawford	--	--	--	--	--	--	--
Iosco	9,800	7,800	70.0	546,000	1,900	14.7	28,000
Montmorency	2,700	1,490	89.3	133,000	1,170	8.5	10,000
Ogemaw	13,500	7,800	80.0	624,000	5,600	15.7	88,000
Oscoda	2,300	1,380	80.4	111,000	850	11.8	10,000
Otsego	1,800	1,350	70.4	95,000	380	9.7	3,700
Presque Isle	4,000	3,100	63.2	196,000	850	14.1	12,000
Roscommon	--	--	--	--	--	--	--
NORTHEAST (3)	49,000	29,800	75.3	2,245,000	18,400	12.5	229,700
Lake	1,500	1,400	60.0	84,000	--	--	--
Mason	15,000	11,000	90.1	991,000	3,900	13.8	54,000
Muskegon	20,000	15,900	102.3	1,626,000	4,000	11.5	46,000
Newaygo	27,000	22,500	102.2	2,300,000	4,300	13.0	56,000
Oceana	13,500	8,500	80.5	684,000	4,900	11.2	55,000
W. CENTRAL (4)	77,000	59,300	95.9	5,685,000	17,100	12.3	211,000
Clare	11,500	9,500	82.8	787,000	1,900	8.9	17,000
Gladwin	14,500	12,900	84.7	1,093,000	1,500	12.7	19,000
Gratiot	93,000	90,100	120.1	10,823,000	2,500	16.8	42,000

CORN: Acreage, Yield, Production, 1982

DISTRICT AND COUNTY	Planted All Purposes	Grain			Silage		
		Harvested	Yld.	Production	Harvested	Yld.	Production
	Acres		Bushels		Acres	Tons	
Isabella.....	60,000	49,700	90.0	4,473,000	10,000	13.5	135,000
Mecosta.....	22,000	18,100	86.5	1,565,000	3,800	12.4	47,000
Midland.....	25,500	23,600	109.2	2,576,000	1,800	12.2	22,000
Montcalm.....	71,000	63,500	106.4	6,754,000	7,200	11.4	82,000
Osceola.....	11,500	7,600	82.6	628,000	3,800	11.6	44,000
CENTRAL (5)....	309,000	275,000	104.4	28,699,000	32,500	12.6	408,000
Arenac.....	18,000	16,400	99.0	1,623,000	1,400	12.1	17,000
Bay.....	44,000	42,200	114.8	4,845,000	1,600	13.8	22,000
Huron.....	154,000	138,700	103.1	14,304,000	14,300	15.6	223,000
Saginaw.....	72,000	70,300	124.0	8,717,000	1,300	16.2	21,000
Sanilac.....	128,000	117,600	111.6	13,128,000	9,600	15.0	144,000
Tuscola.....	129,000	118,600	118.0	13,995,000	9,700	15.5	150,000
E.CENTRAL (6)..	545,000	503,800	112.4	56,612,000	37,900	15.2	577,000
Allegan.....	107,000	96,800	116.0	11,229,000	9,400	14.0	132,000
Berrien.....	50,000	46,400	114.4	5,308,000	3,200	14.1	45,000
Cass.....	75,000	72,700	114.6	8,331,000	1,700	11.8	20,000
Kalamazoo.....	61,000	55,200	115.1	6,354,000	5,200	13.1	68,000
Kent.....	74,000	66,300	107.8	7,147,000	7,100	13.2	94,000
Ottawa.....	65,000	58,300	116.7	6,803,000	6,100	13.9	85,000
Van Buren.....	55,000	51,400	101.0	5,191,000	3,100	11.6	36,000
SOUTHWEST (7)..	487,000	447,100	112.6	50,363,000	35,800	13.4	480,000
Barry.....	53,000	43,900	112.7	4,947,000	8,800	14.9	131,000
Branch.....	120,000	113,700	109.2	12,413,000	5,700	14.9	85,000
Calhoun.....	105,000	98,900	120.0	11,865,000	5,600	17.0	95,000
Clinton.....	79,000	68,900	120.0	8,268,000	9,700	16.2	157,000
Eaton.....	76,000	68,500	122.1	8,366,000	7,100	13.8	98,000
Hillsdale.....	121,000	108,800	106.7	11,606,000	11,600	14.7	170,000
Ingham.....	96,000	90,300	108.9	9,831,000	5,100	14.7	75,000
Ionia.....	85,000	74,200	121.0	8,978,000	10,400	13.8	143,000
Jackson.....	98,000	89,600	106.3	9,521,000	8,000	14.8	118,000
St. Joseph.....	110,000	102,600	104.0	10,673,000	7,000	15.0	105,000
Shiawassee.....	61,000	55,400	102.4	5,675,000	5,200	12.1	63,000
S. CENTRAL (8).	1,004,000	914,800	111.7	102,143,000	84,200	14.7	1,240,000
Genesee.....	50,000	47,400	103.8	4,922,000	2,300	13.5	31,000
Lapeer.....	78,000	66,600	107.9	7,184,000	11,000	12.3	135,000
Lenawee.....	143,000	135,200	110.1	14,882,000	7,300	15.6	114,000
Livingston.....	61,000	51,600	110.4	5,696,000	8,900	14.8	132,000
Macomb.....	23,000	21,200	95.5	2,025,000	1,600	11.9	19,000
Monroe.....	78,000	74,300	107.1	7,955,000	3,300	15.2	50,000
Oakland.....	18,300	16,600	98.3	1,632,000	1,500	8.0	12,000
St. Clair.....	50,000	44,300	96.1	4,257,000	5,400	12.0	65,000
Washtenaw.....	88,000	79,800	105.6	8,423,000	7,800	9.6	75,000
Wayne.....	6,700	6,300	101.0	636,000	300	12.0	3,600
SOUTHEAST (9)..	596,000	543,300	106.0	57,612,000	49,400	12.9	636,600
STATE.....	3,150,000	2,820,000	109.0	307,380,000	310,000	13.5	4,185,000

WHEAT: Acreage, Yield, Production, 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres		Bushels		Acres		Bushels	
Alger	--	--	--	--	--	--	--	--
Baraga	120	110	33.6	3,700	150	140	30.7	4,300
Chippewa	600	570	34.9	19,900	630	600	30.2	18,100
Delta	160	150	32.7	4,900	160	150	28.0	4,200
Dickinson	--	--	--	--	--	--	--	--
Gogebic	--	--	--	--	--	--	--	--
Houghton	--	--	--	--	--	--	--	--
Iron	200	190	36.3	6,900	200	190	31.6	6,000
Keweenaw	--	--	--	--	--	--	--	--
Luce	--	--	--	--	--	--	--	--
Mackinaw	200	190	35.8	6,800	120	120	30.8	3,700
Marquette	--	--	--	--	--	--	--	--
Menominee	400	390	34.9	13,600	430	400	29.3	11,700
Ontonagon	100	90	34.4	3,100	100	100	30.0	3,000
Schoolcraft	100	90	33.3	3,000	110	100	32.0	3,200
UPPER PENINSULA.(1)	1,900	1,800	34.7	62,500	1,900	1,800	30.1	54,200
Antrim	1,450	1,400	33.0	46,200	1,130	1,100	36.4	40,000
Benzie	50	50	32.0	1,600	90	90	36.7	3,300
Charlevoix	350	340	30.0	10,200	180	180	35.6	6,400
Emmet	250	240	27.9	6,700	310	300	33.0	9,900
Grand Traverse	1,800	1,750	34.1	59,600	1,340	1,300	37.2	48,400
Kalkaska	1,150	1,100	28.0	30,800	670	650	30.0	19,500
Leelanau	500	490	30.0	14,700	600	580	30.3	17,600
Manistee	700	680	31.9	21,700	620	600	27.0	16,200
Missaukee	1,300	1,250	38.0	47,500	930	900	43.1	38,800
Wexford	1,450	1,400	35.4	49,500	1,230	1,200	29.7	35,600
NORTHWEST (2)	9,000	8,700	33.2	288,500	7,100	6,900	34.2	235,700
Alcona	1,500	1,450	48.0	69,600	1,540	1,500	42.2	63,300
Alpena	4,800	4,700	50.0	235,000	4,500	4,400	45.9	202,000
Cheboygan	1,200	1,150	38.0	43,700	720	700	38.3	26,800
Crawford	--	--	--	--	--	--	--	--
Iosco	2,200	2,100	45.0	94,500	2,150	2,100	47.6	100,000
Montmorency	1,200	1,150	43.0	49,500	830	800	41.0	32,800
Ogemaw	1,600	1,500	48.2	72,300	1,800	1,700	51.0	86,700
Oscoda	150	150	46.0	6,900	150	150	38.7	5,800
Otsego	950	900	40.0	36,000	670	650	48.0	31,200
Presque Isle	2,600	2,500	40.8	102,000	1,540	1,500	42.2	63,300
Roscommon	100	100	45.0	4,500	100	100	44.0	4,400
NORTHEAST (3)	16,300	15,700	45.5	714,000	14,000	13,600	45.3	616,300
Lake	500	480	41.7	20,000	520	500	40.8	20,400
Mason	6,050	5,950	42.9	255,000	4,800	4,700	45.3	213,000
Muskegon	2,800	2,750	38.9	107,000	2,480	2,400	41.5	99,700
Newaygo	2,800	2,750	42.5	117,000	2,600	2,500	41.2	103,000
Oceana	3,350	3,270	42.8	140,000	2,700	2,600	44.2	115,000
W. CENTRAL (4)	15,500	15,200	42.0	639,000	13,100	12,700	43.4	551,100
Clare	3,200	3,150	40.0	126,000	2,100	2,000	42.9	85,700
Gladwin	4,700	4,600	47.0	216,000	3,600	3,500	52.6	184,000
Gratiot	24,500	22,000	51.7	1,138,000	25,000	24,500	54.7	1,340,000

WHEAT: Acreage, Yield, Production, 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres			Bushels	Acres			Bushels
Isabella.....	14,100	12,900	39.0	503,000	13,500	13,000	53.0	689,000
Mecosta.....	5,600	5,500	38.0	209,000	4,900	4,800	47.7	229,000
Midland.....	6,200	6,050	42.6	258,000	6,300	6,200	56.0	347,000
Montcalm.....	24,200	21,200	39.4	835,000	24,000	23,500	49.4	1,600,000
Osceola.....	1,900	1,700	42.9	73,000	1,600	1,500	44.0	66,000
CENTRAL (5)..	84,400	77,100	43.6	3,358,000	81,000	79,000	51.9	4,100,700
Arenac.....	4,300	3,900	48.7	190,000	4,900	4,800	56.0	269,000
Bay.....	8,500	7,900	49.0	387,000	12,500	12,300	54.5	670,000
Huron.....	33,000	22,000	43.2	951,000	50,100	49,600	60.8	3,016,000
Saginaw.....	29,500	24,000	50.5	1,213,000	34,400	34,000	56.9	1,934,000
Sanilac.....	22,500	17,000	36.7	624,000	42,800	42,300	62.2	2,633,000
Tuscola.....	38,200	28,100	45.2	1,269,000	45,500	45,000	61.8	2,783,000
E. CENTRAL (6)	136,000	102,900	45.0	4,634,000	190,200	188,000	60.1	11,305,000
Allegan.....	11,600	11,400	39.6	452,000	10,100	9,900	43.5	431,000
Berrien.....	8,400	8,200	37.6	308,000	8,400	8,300	43.9	364,000
Cass.....	11,500	11,300	36.5	412,000	11,600	11,400	42.4	483,000
Kalamazoo....	19,300	19,000	43.2	820,000	19,600	19,500	48.3	942,000
Kent.....	11,300	10,500	36.9	387,000	12,000	11,800	48.6	574,000
Ottawa.....	6,900	6,300	39.5	249,000	6,500	6,400	42.2	270,000
Van Buren....	5,100	5,000	36.0	180,000	5,100	5,000	45.8	229,000
SOUTHWEST (7)	74,100	71,700	39.2	2,808,000	73,300	72,300	45.5	3,293,000
Barry.....	12,500	12,000	42.2	506,000	15,100	15,000	49.0	735,000
Branch.....	21,000	20,500	39.7	813,000	20,100	20,000	46.0	920,000
Calhoun.....	25,500	25,000	39.0	975,000	25,100	25,000	44.1	1,102,000
Clinton.....	30,000	25,000	37.4	936,000	34,200	34,000	49.5	1,682,000
Eaton.....	28,000	27,500	47.1	1,296,000	28,100	28,000	50.8	1,423,000
Hillsdale....	16,500	14,500	37.9	550,000	19,600	19,500	43.5	848,000
Ingham.....	22,500	20,500	40.5	831,000	23,600	23,500	44.8	1,052,000
Ionia.....	32,000	30,500	36.0	1,097,000	37,200	37,000	47.0	1,738,000
Jackson.....	14,200	12,500	40.6	507,000	15,200	15,000	45.3	680,000
St. Joseph...	19,500	16,000	35.6	569,000	22,600	22,500	40.9	920,000
Shiawassee...	23,100	18,000	38.4	691,000	29,200	29,000	44.6	1,293,000
S. CENTRAL (8)	244,800	222,000	39.5	8,771,000	270,000	268,500	46.2	12,393,000
Genesee.....	8,600	5,900	39.2	231,000	17,500	17,000	46.2	786,000
Lapeer.....	11,600	9,100	44.2	402,000	19,200	19,000	52.0	988,000
Lenawee.....	36,800	28,500	41.3	1,178,000	58,700	58,300	50.2	2,926,000
Livingston...	7,700	7,300	34.2	250,000	10,600	10,500	40.2	422,000
Macomb.....	2,900	2,300	33.5	77,000	5,700	5,500	48.7	268,000
Monroe.....	17,000	7,000	35.3	247,000	34,800	34,500	46.8	1,615,000
Oakland.....	3,300	3,200	30.6	98,000	4,100	4,000	45.0	180,000
St. Clair....	3,800	3,200	35.3	113,000	13,600	13,500	48.7	658,000
Washtenaw....	19,000	16,300	40.2	665,000	22,200	22,000	45.3	996,000
Wayne.....	2,300	2,100	35.2	74,000	3,000	2,900	38.6	112,000
SOUTHEAST (9)	113,000	84,900	39.2	3,325,000	189,400	187,200	47.8	8,951,000
STATE.....	695,000	600,000	41.0	24,600,000	840,000	830,000	50.0	41,500,000

SOYBEANS: Acreage, Yield, Production 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres		Bushels		Acres		Bushels	
Alger	--	--	--	--	--	--	--	--
Baraga	--	--	--	--	--	--	--	--
Chippewa	--	--	--	--	--	--	--	--
Delta	300	290	28.6	8,300	--	--	--	--
Dickinson	--	--	--	--	--	--	--	--
Gogebic	--	--	--	--	--	--	--	--
Houghton	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Keweenaw	--	--	--	--	--	--	--	--
Luce	--	--	--	--	--	--	--	--
Mackinaw	--	--	--	--	--	--	--	--
Marquette	--	--	--	--	--	--	--	--
Menominee	100	100	26.0	2,600	100	90	26.2	2,360
Ontonagon	--	--	--	--	--	--	--	--
Schoolcraft	60	60	26.0	1,560	60	60	26.3	1,580
UPPER PENINSULA (1)	500	490	27.6	13,500	200	190	26.3	5,000
Antrim	--	--	--	--	--	--	--	--
Benzie	--	--	--	--	--	--	--	--
Charlevoix	--	--	--	--	--	--	--	--
Emmet	--	--	--	--	--	--	--	--
Grand Traverse	80	80	27.5	2,200	70	70	28.6	2,000
Kalkaska	120	110	27.3	3,000	120	110	29.1	3,200
Leelanau	--	--	--	--	--	--	--	--
Manistee	280	270	28.1	7,600	290	280	28.6	8,000
Missaukee	--	--	--	--	--	--	--	--
Wexford	50	50	28.0	1,400	50	50	28.0	1,400
NORTHWEST (2)	600	580	27.9	16,200	600	580	28.4	16,500
Alcona	--	--	--	--	--	--	--	--
Alpena	100	100	27.0	2,700	200	190	27.9	5,300
Cheboygan	150	140	27.1	3,800	60	60	27.8	1,670
Crawford	--	--	--	--	--	--	--	--
Iosco	400	390	27.4	10,700	600	570	27.7	15,800
Montmorency	--	--	--	--	--	--	--	--
Ogemaw	400	390	27.4	10,700	300	290	27.9	8,100
Oscoda	--	--	--	--	--	--	--	--
Otsego	--	--	--	--	--	--	--	--
Presque Isle	--	--	--	--	--	--	--	--
Roscommon	--	--	--	--	--	--	--	--
NORTHEAST (3)	1,100	1,070	27.4	29,300	1,200	1,150	27.8	32,000
Lake	--	--	--	--	--	--	--	--
Mason	220	210	26.2	5,500	100	90	25.6	2,300
Muskegon	400	370	26.5	9,800	500	490	25.7	12,600
Newaygo	100	100	26.0	2,600	100	100	25.5	2,550
Oceana	80	80	26.3	2,100	100	100	25.5	2,550
W. CENTRAL (4)	800	760	26.3	20,000	800	780	25.6	20,000
Clare	200	180	30.6	5,500	300	290	30.3	8,800
Gladwin	1,800	1,740	29.9	52,000	1,600	1,540	29.9	46,000
Gratiot	66,000	65,600	32.0	2,099,000	50,000	49,400	33.2	1,640,000

SOYBEANS: Acreage, Yield, Production, 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres		Bushels		Acres		Bushels	
Isabella.....	10,900	10,800	27.3	295,000	10,200	10,100	27.4	277,000
Mecosta.....	200	190	31.6	6,000	300	280	29.6	8,300
Midland.....	16,000	15,900	28.9	460,000	12,800	12,700	30.9	392,000
Montcalm.....	9,000	8,900	31.0	276,000	8,600	8,500	30.8	262,000
Osceola.....	200	190	28.9	5,500	200	190	31.1	5,900
CENTRAL (5)..	104,300	103,500	30.9	3,199,000	84,000	83,000	31.8	2,640,000
Arenac.....	8,000	7,900	29.0	229,000	4,900	4,800	29.0	139,000
Bay.....	17,000	16,800	28.6	480,000	15,800	15,600	29.3	457,000
Huron.....	4,000	3,900	29.7	116,000	3,300	3,200	31.6	101,000
Saginaw.....	118,000	117,000	32.4	3,791,000	115,000	114,000	33.6	3,829,500
Sanilac.....	36,000	34,700	28.9	1,003,000	33,000	32,700	29.1	950,000
Tuscola.....	18,000	17,700	32.0	566,000	14,000	13,900	32.6	453,000
E. CENTRAL (6)	201,000	198,000	31.2	6,185,000	186,000	184,200	32.2	5,929,500
Allegan.....	6,000	5,900	33.1	195,000	4,000	3,900	30.8	120,000
Berrien.....	20,000	19,800	33.5	663,000	23,500	23,400	26.8	626,000
Cass.....	22,100	22,000	31.0	683,000	20,300	20,200	33.2	671,000
Kalamazoo....	21,800	21,600	32.1	693,000	21,300	21,200	28.9	612,000
Kent.....	2,400	2,350	34.0	80,000	2,300	2,200	27.3	60,000
Ottawa.....	1,100	1,050	31.4	33,000	1,200	1,100	31.8	35,000
Van Buren....	9,700	9,300	28.0	260,000	9,600	9,500	29.1	276,000
SOUTHWEST (7)	83,100	82,000	31 8	2,607,000	82,200	81,500	29.4	2,400,000
Barry.....	8,000	7,900	30.1	238,000	6,400	6,350	31.5	200,000
Branch.....	44,000	43,700	30.0	1,311,000	36,000	35,700	30.5	1,089,000
Calhoun.....	21,500	21,300	30.0	639,000	17,100	17,000	29.7	505,000
Clinton.....	50,000	49,600	32.2	1,597,000	50,300	50,000	29.6	1,480,000
Eaton.....	21,000	20,800	32.8	682,000	19,600	19,500	32.5	634,000
Hillsdale....	36,000	35,800	30.0	1,074,000	31,200	31,000	26.0	806,000
Ingham.....	26,000	25,800	30.7	792,000	23,800	23,600	30.9	729,000
Ionia.....	21,500	21,300	32.5	692,000	21,500	21,400	32.0	685,000
Jackson.....	5,000	4,900	28.6	140,000	4,800	4,750	31.6	150,000
St. Joseph...	35,500	35,300	30.0	1,059,000	34,800	34,700	32.0	1,110,000
Shiawassee...	66,100	65,600	31.7	2,082,000	65,500	65,000	29.0	1,885,000
S. CENTRAL (8)	334,600	332,000	31.0	10,306,000	311,000	309,000	30.0	9,273,000
Genesee.....	33,000	32,900	31.2	1,025,000	31,600	31,200	33.2	1,037,000
Lapeer.....	8,600	8,460	31.0	262,000	7,500	7,400	33.8	250,000
Lenawee.....	110,000	109,000	33.0	3,597,000	107,000	105,000	27.0	2,835,000
Livingston...	2,800	2,750	32.0	88,000	2,500	2,440	24.6	60,000
Macomb.....	18,500	18,400	27.1	498,000	18,800	18,600	32.4	603,000
Monroe.....	90,000	89,600	30.7	2,751,000	87,200	86,500	27.1	2,340,000
Oakland.....	700	690	30.4	21,000	500	460	30.4	14,000
St. Clair....	38,400	38,000	27.0	1,026,000	37,500	37,000	29.2	1,080,000
Washtenaw....	17,000	16,900	27.3	462,000	16,400	16,200	27.8	450,000
Wayne.....	5,000	4,900	27.3	134,000	5,000	4,800	24.0	115,000
SOUTHEAST (9)	324,000	321,600	30.7	9,864,000	314,000	309,600	28.4	8,784,000
STATE.....	1,050,000	1,040,000	31.0	32,240,000	980,000	970,000	30.0	29,100,000

OATS: Acreage, Yield, Production, 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres		Bushels		Acres		Bushels	
Alger	500	470	42.6	20,000	430	410	41.5	17,000
Baraga	700	500	42.0	21,000	660	650	40.0	26,000
Chippewa	7,500	7,300	44.4	324,000	6,300	6,200	44.4	275,000
Delta	4,800	4,500	50.7	228,000	4,300	4,200	52.4	220,000
Dickinson	1,300	1,200	45.0	54,000	1,000	830	44.6	37,000
Gogebic	200	170	47.1	8,000	170	160	43.8	7,000
Houghton	2,400	2,200	42.7	94,000	1,900	1,750	42.9	75,000
Iron	1,800	1,750	44.0	77,000	1,400	1,350	44.4	60,000
Keweenaw	--	--	--	--	--	--	--	--
Luce	300	290	48.3	14,000	220	210	47.6	10,000
Mackinac	2,300	2,000	45.0	90,000	2,200	2,100	45.7	96,000
Marquette	1,400	1,300	30.0	39,000	1,000	950	36.8	35,000
Menominee	7,300	7,000	43.4	304,000	5,700	5,600	51.8	290,000
Ontonagon	2,200	2,150	40.5	87,000	1,740	1,650	42.4	70,000
Schoolcraft	700	670	40.3	27,000	480	440	40.9	18,000
UPPER PENINSULA (1)	33,400	31,500	44.0	1,387,000	27,500	26,500	46.6	1,236,000
Antrim	1,200	1,120	42.9	48,000	1,400	1,200	46.7	56,000
Benzie	100	100	40.0	4,000	100	60	41.7	2,500
Charlevoix	1,100	1,050	40.0	42,000	900	800	42.5	34,000
Emmet	2,400	2,350	43.0	101,000	1,650	1,450	37.9	55,000
Grand Traverse	1,700	1,650	50.9	84,000	1,100	1,000	47.0	47,000
Kalkaska	400	390	46.2	18,000	400	300	40.0	12,000
Leelanau	1,100	1,050	47.6	50,000	1,050	900	46.7	42,000
Manistee	700	690	42.0	29,000	400	300	41.7	12,500
Missaukee	7,300	6,900	54.1	373,000	5,200	5,000	44.4	222,000
Wexford	1,500	1,400	45.0	63,000	1,100	990	42.4	42,000
NORTHWEST (2)	17,500	16,700	48.6	812,000	13,300	12,000	43.8	525,000
Alcona	2,200	2,150	54.9	118,000	1,700	1,600	47.5	76,000
Alpena	11,300	10,300	47.0	484,000	8,700	8,400	46.4	390,000
Cheboygan	2,600	2,540	44.1	112,000	2,400	2,200	47.3	104,000
Crawford	150	140	42.9	6,000	150	130	46.2	6,000
Iosco	2,800	2,700	58.9	159,000	2,300	2,100	55.2	116,000
Montmorency	2,400	2,300	46.5	107,000	1,800	1,500	46.0	69,000
Ogemaw	5,300	5,100	56.9	290,000	4,900	4,400	52.3	230,000
Oscoda	300	290	48.3	14,000	300	250	48.0	12,000
Otsego	2,400	2,340	51.3	120,000	2,300	2,200	54.1	119,000
Presque Isle	9,000	8,800	59.7	525,000	7,800	7,500	55.5	416,000
Roscommon	150	140	50.0	7,000	150	120	50.0	6,000
NORTHEAST (3)	38,600	36,800	52.8	1,942,000	32,500	30,400	50.8	1,544,000
Lake	600	550	54.5	30,000	540	500	56.0	28,000
Mason	3,600	3,550	57.2	203,000	2,760	2,600	57.3	149,000
Muskegon	1,900	1,800	49.4	89,000	1,700	1,500	56.7	85,000
Newaygo	4,500	4,200	55.2	232,000	3,200	2,600	54.6	142,000
Oceana	1,300	1,000	55.0	55,000	800	600	55.0	33,000
W. CENTRAL (4)	11,900	11,100	54.9	609,000	9,000	7,800	56.0	437,000
Clare	2,500	2,200	59.1	130,000	1,900	1,700	60.0	102,000
Gladwin	4,100	3,700	57.0	211,000	3,100	2,900	60.0	174,000
Gratiot	13,000	12,300	65.0	800,000	8,400	8,200	69.5	570,000

OATS: Acreage, Yield, Production, 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres		Bushels		Acres		Bushels	
Isabella.....	9,500	9,300	54.3	505,000	7,700	7,500	62.7	470,000
Mecosta.....	3,700	3,400	60.9	207,000	2,700	2,500	59.6	149,000
Midland.....	2,900	2,600	58.8	153,000	1,700	1,600	68.1	109,000
Montcalm.....	11,000	10,000	61.0	610,000	7,800	7,600	60.4	459,000
Osceola.....	5,500	5,200	60.0	312,000	5,000	4,800	54.8	263,000
CENTRAL (5)....	52,200	48,700	60.1	2,928,000	38,300	36,800	62.4	2,296,000
Arenac.....	4,500	4,400	60.9	268,000	3,500	3,000	71.7	215,000
Bay.....	1,800	1,700	70.6	120,000	1,350	1,200	68.3	82,000
Huron.....	26,000	25,000	80.5	2,013,000	17,800	16,700	73.0	1,219,000
Saginaw.....	9,000	8,800	76.3	671,000	5,250	5,000	72.2	361,000
Sanilac.....	41,000	40,000	75.3	3,011,000	31,300	30,000	68.1	2,043,000
Tuscola.....	16,000	15,200	77.0	1,170,000	9,900	8,600	79.2	681,000
E. CENTRAL (6).	98,300	95,100	76.3	7,253,000	69,100	64,500	71.3	4,601,000
Allegan.....	8,200	8,000	56.6	453,000	6,300	5,800	61.9	359,000
Berrien.....	2,400	2,300	50.0	115,000	2,300	2,200	63.2	139,000
Cass.....	3,300	3,000	61.7	185,000	2,900	2,800	60.0	168,000
Kalamazoo.....	6,000	5,600	58.0	325,000	4,600	4,200	67.4	283,000
Kent.....	11,000	10,100	46.7	472,000	9,300	9,000	60.7	546,000
Ottawa.....	8,000	7,500	65.9	494,000	6,200	5,400	63.9	345,000
Van Buren.....	3,100	2,900	51.0	148,000	2,300	2,100	57.1	120,000
SOUTHWEST (7)..	42,000	39,400	55.6	2,192,000	33,900	31,500	62.2	1,960,000
Barry.....	5,600	5,100	57.8	295,000	5,300	5,200	60.2	313,000
Branch.....	6,000	5,900	65.1	384,000	4,700	4,500	66.2	298,000
Calhoun.....	12,400	12,000	50.0	600,000	9,600	9,400	68.0	639,000
Clinton.....	13,000	12,200	68.2	832,000	9,500	9,300	64.9	604,000
Eaton.....	5,500	5,400	70.0	378,000	4,800	4,500	74.9	337,000
Hillsdale.....	8,500	7,600	72.0	547,000	5,600	5,000	63.0	315,000
Ingham.....	8,500	7,600	70.0	532,000	5,000	4,600	68.3	314,000
Ionia.....	12,500	11,800	64.3	759,000	9,300	8,900	67.0	596,000
Jackson.....	8,000	7,800	63.1	492,000	6,200	5,700	61.9	353,000
St. Joseph.....	3,500	3,400	59.1	201,000	3,400	3,100	63.2	196,000
Shiawassee.....	21,300	20,300	70.3	1,427,000	14,800	14,300	62.7	897,000
S. CENTRAL (8).	104,800	99,100	65.1	6,447,000	78,200	74,500	65.3	4,862,000
Genesee.....	11,000	10,300	68.5	706,000	8,900	8,600	61.0	525,000
Lapeer.....	11,000	10,300	70.0	721,000	9,300	9,000	70.0	630,000
Lenawee.....	9,000	8,300	75.4	626,000	6,400	6,100	72.1	440,000
Livingston.....	5,500	5,000	60.6	303,000	5,400	5,100	61.4	313,000
Macomb.....	4,600	4,200	64.0	269,000	3,200	3,000	62.0	186,000
Monroe.....	6,100	5,900	70.2	414,000	3,000	2,900	68.3	198,000
Oakland.....	1,900	1,810	64.1	116,000	1,800	1,600	65.0	104,000
St. Clair.....	10,900	10,500	65.2	685,000	6,900	6,750	61.8	417,000
Washtenaw.....	16,000	15,000	61.4	921,000	13,000	12,700	62.2	790,000
Wayne.....	300	290	65.5	19,000	300	250	64.0	16,000
SOUTHEAST (9)..	76,300	71,600	66.8	4,780,000	58,200	56,000	64.6	3,619,000
STATE.....	475,000	450,000	63.0	28,350,000	360,000	340,000	62.0	21,080,000

DRY BEANS: Acreage, Yield, Production, 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres		Lbs.	Cwt.	Acres		Lbs.	Cwt.
UPPER PENINSULA (1)	1,800	1,500	1,080	16,200	2,300	2,200	1,230	27,100
NORTHWEST (2)	2,100	2,000	1,000	20,000	3,000	2,900	1,310	38,000
NORTHEAST (3)	10,000	9,150	1,110	101,500	9,300	9,100	1,170	106,600
W.CENTRAL (4)	600	550	1,270	7,000	850	800	1,000	8,000
Clare.....	--	--	--	--	--	--	--	--
Gladwin.....	4,000	3,800	1,150	43,700	4,200	4,150	1,370	57,000
Gratiot.....	53,000	52,000	1,400	728,000	71,500	69,000	1,300	898,000
Isabella.....	16,000	15,700	1,250	196,000	22,000	20,900	1,260	264,000
Mecosta.....	3,000	2,800	1,150	32,200	3,300	3,220	1,070	34,500
Midland.....	22,000	21,700	1,220	264,000	23,000	22,450	1,360	306,000
Montcalm.....	28,000	27,700	1,380	382,000	32,000	30,900	1,250	386,000
Osceola.....	--	--	--	--	--	--	--	--
CENTRAL (5)..	126,300	124,000	1,330	1,649,500	156,400	151,000	1,290	1,950,000
Arenac.....	15,000	14,700	1,230	181,000	16,000	14,200	1,130	161,000
Bay.....	42,000	41,200	1,270	525,000	52,000	50,000	1,270	635,000
Huron.....	100,000	99,000	1,360	1,350,000	104,000	95,800	1,220	1,173,000
Saginaw.....	44,000	43,500	1,430	622,000	56,000	52,300	1,280	667,000
Sanilac.....	52,000	51,300	1,220	628,000	62,000	39,500	1,000	395,000
Tuscola.....	76,000	75,000	1,450	1,089,000	83,000	78,800	1,190	936,000
E. CENTRAL (6)	329,000	324,700	1,350	4,395,000	373,000	330,600	1,200	3,967,000
Allegan.....	--	--	--	--	--	--	--	--
Berrien.....	200	190	1,210	2,300	250	240	1,000	2,400
Cass.....	--	--	--	--	--	--	--	--
Kalamazoo....	100	100	1,200	1,200	100	100	1,000	1,000
Kent.....	1,500	1,440	1,320	19,000	2,000	1,880	1,000	18,800
Ottawa.....	--	--	--	--	--	--	--	--
Van Buren....	--	--	--	--	--	--	--	--
SOUTHWEST (7)	2,300	2,200	1,270	28,000	2,850	2,700	1,000	27,000
Barry.....	2,000	1,950	1,200	23,400	2,800	2,700	960	26,000
Branch.....	--	--	--	--	--	--	--	--
Calhoun.....	300	270	1,190	3,200	300	270	1,260	3,400
Clinton.....	10,000	9,500	1,600	152,000	15,500	14,300	1,170	168,000
Eaton.....	26,000	25,670	1,460	375,000	27,000	25,700	1,300	333,000
Hillsdale....	--	--	--	--	--	--	--	--
Ingham.....	2,500	2,450	1,400	34,300	3,100	3,000	1,390	41,700
Ionia.....	17,000	16,800	1,400	235,000	19,000	17,500	1,490	261,000
Jackson.....	300	270	1,330	3,600	500	450	1,270	5,700
St. Joseph...	150	140	1,290	1,800	250	230	1,260	2,900
Shiawassee...	7,000	6,800	1,430	97,000	8,500	8,000	910	73,000
S. CENTRAL (8)	65,300	63,900	1,450	926,000	77,000	72,200	1,270	915,200
Genesee.....	1,000	960	1,250	12,000	1,900	1,600	1,290	20,600
Lapeer.....	12,000	11,800	1,300	153,000	14,000	10,300	820	84,000
Livingston...	300	290	1,100	3,200	600	550	800	4,400
Macomb.....	1,500	1,460	1,500	21,900	1,700	1,250	1,090	13,600
St. Clair....	5,950	5,700	1,240	70,600	7,000	4,700	760	35,600
SOUTHEAST (9)	22,600	22,000	1,280	281,800	25,300	18,500	860	159,100
STATE.....	560,000	550,000	1,350	7,425,000	650,000	590,000	1,220	7,198,000

SUGARBEETS: Acreage, Yield, Production, 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres		Tons		Acres		Tons	
UPPER PENINSULA (1)...	--	--	--	--	--	--	--	--
NORTHWEST (2)...	--	--	--	--	--	--	--	--
NORTHEAST (3)...	--	--	--	--	--	--	--	--
W. CENTRAL (4)...	--	--	--	--	--	--	--	--
Clare.....	--	--	--	--	--	--	--	--
Gladwin.....	500	490	16.3	8,000	600	550	18.5	10,200
Gratiot.....	5,600	5,500	18.0	99,000	5,800	5,400	20.8	112,500
Midland.....	2,300	2,260	16.0	36,200	2,600	2,450	16.7	41,000
Montcalm.....	--	--	--	--	--	--	--	--
Osceola.....	--	--	--	--	--	--	--	--
CENTRAL (5).....	8,470	8,310	17.4	144,200	9,100	8,500	19.4	165,300
Arenac.....	2,150	2,070	17.9	37,000	2,300	2,200	20.0	44,000
Bay.....	17,200	17,000	18.6	316,000	18,100	17,700	20.8	368,000
Huron.....	21,700	21,650	19.5	423,000	21,100	20,650	21.2	437,000
Saginaw.....	13,100	12,900	20.0	258,000	14,900	14,700	21.3	313,500
Sanilac.....	10,100	10,050	18.5	186,000	9,900	9,100	18.7	170,000
Tuscola.....	23,500	23,400	19.8	464,000	22,700	22,400	20.7	463,000
E. CENTRAL (6)..	87,750	87,070	19.3	1,684,000	89,000	86,750	20.7	1,795,500
SOUTHWEST (7)...	--	--	--	--	--	--	--	--
Barry.....	--	--	--	--	--	--	--	--
Branch.....	--	--	--	--	--	--	--	--
Calhoun.....	--	--	--	--	--	--	--	--
Clinton.....	--	--	--	--	--	--	--	--
Eaton.....	--	--	--	--	--	--	--	--
Ingham.....	--	--	--	--	--	--	--	--
Ionia.....	--	--	--	--	--	--	--	--
Jackson.....	--	--	--	--	--	--	--	--
St. Joseph.....	--	--	--	--	--	--	--	--
Shiawassee.....	--	--	--	--	--	--	--	--
S. CENTRAL (8)..	260	250	20.4	5,100	300	300	19.0	5,700
Genesee.....	--	--	--	--	--	--	--	--
Lapeer.....	--	--	--	--	--	--	--	--
Lenawee.....	--	--	--	--	1,900	1,850	19.8	36,700
Livingston.....	--	--	--	--	--	--	--	--
Macomb.....	--	--	--	--	--	--	--	--
Monroe.....	--	--	--	--	550	550	16.7	9,200
Oakland.....	--	--	--	--	--	--	--	--
St. Clair.....	900	750	23.5	17,600	850	760	17.1	13,000
SOUTHEAST (9)...	1,020	870	22.6	19,700	3,600	3,450	18.4	63,500
STATE.....	97,500	96,500	19.2	1,853,000	102,000	99,000	20.5	2,030,000

BARLEY: Acreage, Yield, Production, 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres		Bushels		Acres		Bushels	
Alger	600	580	50.5	29,300	600	570	47.4	27,000
Baraga	300	280	44.6	12,500	150	140	44.3	6,200
Chippewa	450	430	43.7	18,800	550	530	43.4	23,000
Delta	2,500	2,400	46.4	111,400	2,200	2,100	47.0	98,600
Dickinson	400	390	47.4	18,500	700	680	47.1	32,000
Gogebic	--	--	--	--	--	--	--	--
Houghton	150	140	50.7	7,100	140	130	47.7	6,200
Iron	150	140	45.0	6,300	100	90	44.4	4,000
Keweenaw	--	--	--	--	--	--	--	--
Luce	150	140	45.7	6,400	50	50	46.0	2,300
Mackinac	640	600	43.5	26,100	500	480	43.1	20,700
Marquette	550	530	46.0	24,400	600	570	45.6	26,000
Menominee	3,300	3,100	51.6	160,000	3,300	3,180	50.3	160,000
Ontonagon	150	140	45.0	6,300	200	190	45.3	8,600
Schoolcraft	650	620	46.3	28,700	600	580	46.0	26,700
UPPER PENINSULA.(1).	10,000	9,500	48.0	456,300	9,700	9,300	47.5	441,800
Antrim	100	90	48.9	4,400	150	140	47.9	6,700
Benzie	--	--	--	--	--	--	--	--
Charlevoix	550	520	44.4	23,100	440	420	44.0	18,500
Emmet	250	230	45.2	10,400	340	330	44.8	14,800
Grand Traverse	160	150	46.0	6,900	--	--	--	--
Kalkaska	--	--	--	--	--	--	--	--
Leelanau	50	50	50.0	2,500	--	--	--	--
Manistee	100	90	45.6	4,100	100	100	46.0	4,600
Missaukee	200	190	46.3	8,800	130	120	45.8	5,500
Wexford	80	70	45.7	3,200	--	--	--	--
NORTHWEST (2).	1,500	1,400	45.6	63,900	1,200	1,150	45.1	51,900
Alcona	360	330	48.8	16,100	230	220	48.6	10,700
Alpena	600	570	51.6	29,400	400	380	51.3	19,500
Cheboygan	760	720	50.4	36,300	420	410	50.0	20,500
Crawford	--	--	--	--	--	--	--	--
Iosco	140	130	50.8	6,600	140	130	50.0	6,500
Montmorency	350	330	50.3	16,600	500	480	50.0	24,000
Ogemaw	410	390	53.8	21,000	300	290	53.4	15,500
Oscoda	--	--	--	--	--	--	--	--
Otsego	150	140	50.7	7,100	350	340	50.0	17,000
Presque Isle	460	430	52.1	22,400	300	290	51.7	15,000
Roscommon	--	--	--	--	--	--	--	--
NORTHEAST (3).	3,300	3,100	51.1	158,500	2,650	2,550	50.7	129,200
Lake	--	--	--	--	--	--	--	--
Mason	350	330	46.4	15,300	180	170	45.9	7,800
Muskegon	100	90	51.1	4,600	--	--	--	--
Newaygo	300	280	47.1	13,200	60	60	46.7	2,800
Oceana	130	120	46.7	5,600	110	100	46.0	4,600
W. CENTRAL (4)	900	840	47.3	39,700	350	330	46.1	15,200
Clare	330	310	49.0	15,200	400	390	48.7	19,000
Gladwin	270	260	53.1	13,800	420	400	52.5	21,000
Gratiot	100	90	50.0	4,500	80	80	50.0	4,000

BARLEY: Acreage, Yield, Production, 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres		Bushels		Acres		Bushels	
Isabella.....	850	800	52.0	41,600	1,000	960	51.6	49,500
Mecosta.....	800	750	49.9	37,400	200	190	46.8	8,900
Midland.....	50	50	50.0	2,500	--	--	--	--
Montcalm.....	400	370	51.1	18,900	300	290	50.7	14,700
Osceola.....	400	370	49.5	18,300	100	90	46.7	4,200
CENTRAL (5)...	3,200	3,000	50.7	152,200	2,500	2,400	50.5	121,300
Arenac.....	50	50	62.0	3,100	100	100	54.0	5,400
Bay.....	100	90	61.1	5,500	100	100	55.0	5,500
Huron.....	5,400	5,100	72.0	367,400	1,800	1,750	61.6	107,800
Saginaw.....	550	520	60.6	31,500	500	490	60.2	29,500
Sanilac.....	3,000	2,900	62.3	180,600	1,600	1,560	61.5	96,000
Tuscola.....	4,700	4,500	65.6	295,300	2,400	2,350	64.7	152,000
E. CENTRAL (6)	13,800	13,160	67.1	883,400	6,500	6,350	62.4	396,200
Allegan.....	330	310	51.9	16,100	140	130	51.5	6,700
Berrien.....	100	90	48.9	4,400	110	100	48.0	4,800
Cass.....	250	230	49.1	11,300	190	180	48.3	8,700
Kalamazoo.....	100	90	48.9	4,400	100	100	49.0	4,900
Kent.....	250	230	50.0	11,500	150	140	50.0	7,000
Ottawa.....	60	60	50.0	3,000	60	60	50.0	3,000
Van Buren.....	210	190	52.1	9,900	200	190	51.6	9,800
SOUTHWEST (7).	1,300	1,200	50.5	60,600	950	900	49.9	44,900
Barry.....	220	210	51.9	10,900	120	120	46.7	5,600
Branch.....	50	50	50.0	2,500	--	--	--	--
Calhoun.....	110	100	46.0	4,600	100	100	46.0	4,600
Clinton.....	400	390	55.1	21,500	180	170	47.6	8,100
Eaton.....	60	50	46.0	2,300	50	50	46.0	2,300
Hillsdale.....	--	--	--	--	--	--	--	--
Ingham.....	600	580	52.1	30,200	70	70	50.0	3,500
Ionia.....	570	550	52.7	29,000	600	570	50.9	29,000
Jackson.....	--	--	--	--	--	--	--	--
St. Joseph....	100	90	50.0	4,500	50	50	48.0	2,400
Shiawassee....	250	240	50.4	12,100	220	210	50.0	10,500
S. CENTRAL (8)	2,400	2,300	52.0	119,600	1,450	1,400	49.3	69,000
Genesee.....	50	40	52.5	2,100	100	100	51.0	5,100
Lapeer.....	890	860	56.4	48,500	1,000	950	52.0	49,400
Lenawee.....	50	40	50.0	2,000	--	--	--	--
Livingston....	--	--	--	--	--	--	--	--
Macomb.....	--	--	--	--	--	--	--	--
Monroe.....	150	140	50.0	7,000	190	180	46.1	8,300
Oakland.....	90	80	50.0	4,000	110	100	49.0	4,900
St. Clair.....	80	70	52.9	3,700	80	80	51.3	4,100
Washtenaw.....	250	240	54.2	13,000	160	150	51.3	7,700
Wayne.....	--	--	--	--	--	--	--	--
SOUTHEAST (9).	1,600	1,500	54.5	81,800	1,700	1,620	50.9	82,500
STATE.....	38,000	36,000	56.0	2,016,000	27,000	26,000	52.0	1,352,000

POTATOES: Acreage, Yield, Production, 1981-82

DISTRICT AND COUNTY	1982				1981			
	Planted	Harvested	Yld.	Production	Planted	Harvested	Yld.	Production
	Acres		Cwt.		Acres		Cwt.	
Delta	1,000	930	235	220,000	800	780	250	195,000
Dickinson	1,600	1,470	240	354,000	1,600	1,570	240	377,000
Houghton	500	470	225	106,000	500	490	200	98,000
Iron	400	380	235	89,000	400	390	225	87,800
Luce	400	380	245	93,000	500	490	230	112,700
Marquette	400	380	225	85,000	350	340	230	78,200
Schoolcraft	250	240	240	58,000	300	290	220	63,800
U.PENINSULA (1)	4,600	4,300	235	1,017,000	4,500	4,400	235	1,023,000
Antrim	1,100	1,020	225	230,000	1,400	1,350	230	310,500
Emmet	500	480	220	106,000	500	490	200	98,000
Kalkaska	800	750	230	173,000	600	580	200	116,000
Manistee	400	380	200	76,000	500	490	225	110,000
NORTHWEST (2)	3,200	3,010	225	670,000	3,300	3,200	215	694,300
Otsego	800	760	230	175,000	700	670	230	155,000
Presque Isle	2,650	2,500	240	600,000	1,900	1,850	210	390,000
NORTHEAST (3)	3,800	3,600	240	856,000	2,950	2,860	215	621,700
W. CENTRAL(4)	300	290	230	67,000	250	240	220	52,800
Gratiot	600	550	240	132,000	500	430	230	99,000
Mecosta	1,100	1,000	235	235,000	1,000	900	235	211,000
Montcalm	9,800	9,400	265	2,491,000	9,000	8,700	265	2,305,000
CENTRAL (5)	12,100	11,500	260	2,985,000	11,100	10,600	260	2,741,700
Arenac	1,400	1,360	190	258,000	1,800	1,760	160	282,000
Bay	4,100	4,000	205	820,000	4,500	4,440	180	799,000
Saginaw	700	680	200	136,000	700	660	175	115,500
Tuscola	1,300	1,270	200	252,000	1,200	1,160	180	208,000
E. CENTRAL (6)	8,000	7,800	200	1,500,000	8,500	8,300	175	1,453,000
Allegan	1,200	1,100	245	271,000	1,300	1,250	250	312,000
Kent	700	660	245	163,000	550	530	260	137,000
Ottawa	400	380	250	95,000	400	380	255	97,000
Van Buren	300	290	240	69,600	300	290	210	60,900
SOUTHWEST (7)	2,900	2,700	245	663,000	2,800	2,700	245	662,400
Barry	700	660	245	161,000	350	340	230	78,200
Calhoun	300	290	220	64,000	300	280	235	66,000
Eaton	400	390	230	90,000	400	370	200	74,000
S. CENTRAL (8)	2,100	2,000	235	468,000	1,600	1,500	220	330,800
Genesee	1,000	950	230	218,000	900	780	200	156,000
Lapeer	500	450	225	102,000	500	410	210	86,000
Lenawee	1,500	1,400	255	356,000	900	670	210	140,000
Macomb	400	350	245	85,500	390	350	215	75,000
Monroe	1,700	1,600	245	392,000	1,900	1,450	200	290,000
Washtenaw	800	750	240	181,000	800	750	210	157,000
S. EAST (9)	6,000	5,600	245	1,359,000	5,500	4,500	205	923,300
STATE	43,000	40,800	236	9,645,000	40,500	38,300	222	8,503,000